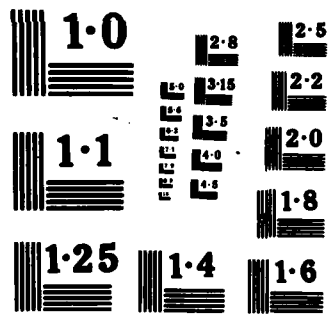


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RIYADH SAUDI ARABIA LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARY (LSOCS..(U) AIR FORCE ENVIRONMENTAL
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AD-A159 667

DATA PROCESSING BRANCH
USAFETAC
Air Weather Service (MAC)

"LIMITED SURFACE OBSERVATIONS"
CLIMATIC SUMMARY "LISOCs"

RIYADH SAUDI ARABIA
N 24 43 E 046 44

ELEV: 2082 FT

MJC #204380
CITY

PARTS A-F

HOURS SUMMARIZED:

0000Z - 2300Z

PERIOD OF RECORD:

HOURLY OBSERVATIONS: JAN 77 - DEC 84

SUMMARY OF DAY DATA: NONE

TIME CONVERSION GMT TO LST: +3

14 JUN 1985

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REVIEW AND APPROVAL STATEMENT

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FOR THE COMMANDER

Wayne E. McCollon

WAYNE E. MCCOLLON

Chief, Document Research Section

USAFETAC/LDX

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SECURITY CLASSIFICATION OF THIS PAGE

AD-A159 667

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FIELD	GROUP	SUB-GROUP	*climatology *weather meteorological conditions	
04	02		(continued over)	
19. ABSTRACT (Continue on reverse if necessary and identify by block number)				
<p>A statistical data summary of surface weather observation climatology for:</p> <p>RIYADH, SAUDI ARABIA.</p> <p>This summary is similar to the Revised Uniform Summary of Surface Weather Observations (RUSSNO), but is based on data collected from limited-duty weather observing stations, i.e., those that take weather observations less than 24 hours a day, 7 days a week. The summary is in five parts: PART A, Weather Conditions and Atmospheric Phenomena; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; and PART F, Pressure Summaries. Note that PART B, Precipitation, is omitted. See USAFETAC/TN-83/001 (AD-A132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSNOs), for complete descriptions of contents and instructions for use.</p>				
20. DISTRIBUTION/AVAILABILITY OF ABSTRACT <input type="checkbox"/> UNCLASSIFIED UNLIMITED <input checked="" type="checkbox"/> SAME AS RPT. <input type="checkbox"/> DTIC USERS			21. ABSTRACT SECURITY CLASSIFICATION Unclassified	
22a. NAME OF RESPONSIBLE INDIVIDUAL Marie Wakefield			22b. TELEPHONE (Include Area Code) (618) 256-2625	22c. OFFICE SYMBOL USAFETAC/LDD

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18. Subject terms cont.

winds	precipitation	temperature	visibility
barometric pressure		relative humidity	
sky cover	psychrometric data		ceiling
Limited Surface Observations Climatic Summary			
LISQCS			

RIYADH SAUDI ARABIA

SD 404380

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

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A-1	



OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARIES
(LISOCs)

DEFINITION: A RUSSWO-like set of summaries of hourly observations for the station's normal operating hours.

Hourly Observations: Those record or record-special observations recorded at established hourly intervals.

General Comments:

1. The hourly data are screened to exclude extraneous or occasional hours outside the normal observing hours.
2. A brief description preceeds each summary.
3. Summaries containing "TOTALS" and "ALL HOURS" are only from the hours summarized. These values are representative only for the operating hours.
4. The monthly and annual "ALL HOURS" summaries are not presented because they are not representative, and would result in meaningless or biased values.
5. There are no "Sky Cover" nor "Sea Level Pressure" summaries for METAR stations.

Table of Contents: AWS Form 2 "Station History"

- Part 1: Weather Conditions
- Part 2: Surface Winds
- Part 3: Ceiling Versus Visibility; Sky Cover
- Part 4: Daily High, Low, Mean Temperatures; Max High and Min Low Temperatures; Psychrometric Tables; Mean and Standard Deviation of Temperatures; Relative Humidity
- Part 5: Station Pressure; Sea Level Pressure

Standard 3-Hour Groups: All summaries having diurnal variations are summarized in 3-hour periods corresponding to the following sets of hourly observations and limited to normal observation reporting hours (LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

Note that the first and last hour groups may or may not contain all three hours. See hours summarized on front cover to determine which hours are included in these two hour groups.

STATION NO OR SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV (FT)		CALL SIGN		WMO N METER	
404380		RIYADH, SAUDI ARABIA		N 24 43		E 046 44		2082 FT		ERY			
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		DBS PER DAY				
			FROM	TO			FIELD (FT)	HT. BARO.					
1	Riyadh, Saudi Arabia	ARPT	Jan 77	Dec 84	N 24 43	E 046 44	2082 FT	Unkn	24				
NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE							
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND								
1	Dec 84	Unkn	Unkn	Unkn	----								

CONTINUED ON REVERSE SIDE

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WEATHER CONDITIONS

1

PART 1

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented by month by the available 3-hour groups.

Thunderstorms--All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle--All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze)--Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets)--Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets. (Snow pellets also known as soft hail.)

Hail--Occurrences of hail.

Percentage of observations with precipitation--Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sum of the individual categories may exceed the percentage of the observations with precip.

Fog--Included are fog, ice fog, and ground fog.

Smoke and/or haze--Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow--Occurrences of blowing snow.

Dust and/or sand--Included are blowing dust, blowing sand, and dust.

Blowing spray--This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision--Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sum of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

Continued on Reverse

NOTE: 1. For METAR stations beginning Jan 68 and Synoptic reporting stations, only the highest order of atmospheric phenomena was reported, recorded on the AWS Form 10a, and transmitted longline. Beginning Jan 70, METAR stations recorded all atmospheric phenomena on the AWS Form 10a, but transmitted longline only the highest order. For example, if the observation consisted of rain, fog and smoke, only the rain was transmitted longline. Our data base, as a result, contains only rain for that observation. Because of these reporting procedures the summaries for METAR and Synoptic reporting stations are highly questionable in the hourly summaries. This primarily effects the obstruction to vision columns, but may also have minor effects on the precipitation columns.

2. When the value of ".0" appears in the summaries, it represent one or more occurrences amounting to less than .05 percent.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

474380 RIYADH SAUDI ARABIA 77-84 JAN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FCG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	00-02		1.9				1.9	3.3	15.6		2.3	21.4	215
	03-05		.9				.9	4.3	9.1		2.6	16.1	230
	06-08		1.5				1.5	6.1	11.1		1.0	13.2	198
	09-11		1.3				1.3	6.7	63.4		2.9	73.1	238
	12-14	.4	1.7				1.7	1.7	48.1		8.3	56.8	241
	15-17		1.3				1.3	.4	26.5		7.6	33.6	238
	18-20		.9				.9	.4	30.8		6.0	36.3	234
	21-23		1.3				1.3	2.1	24.3		4.3	30.2	235
TOTALS		.1	1.4				1.4	3.1	28.6		4.4	35.7	1829

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

4 14780
STATION

RIYADH SAUDI ARABIA
STATION NAME

77-84

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		2.9				2.9	1.9	15.5		4.3	21.7	207
	03-05	.5	1.4				1.4	3.7	15.2		.9	19.8	217
	06-08	.5	.5				.5	5.0	17.0			22.0	200
	09-11	.5	1.4				1.4	5.5	68.5		.9	74.9	219
	12-14	.5	2.7				2.7		48.4		10.9	59.3	221
	15-17		2.2				2.2	.4	30.4		8.9	38.8	224
	18-20	.5	.9				.9	.5	32.4		7.4	39.4	216
	21-23		2.7				2.7		22.7		4.5	27.3	220
TOTALS		.3	1.8				1.8	2.1	31.3		4.7	37.9	1724

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

414387 RIYADH SAUDI ARABIA
STATION

77-84

YEARS

MAP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAP	00-02	1.3	6.1				6.1	.4	19.5		6.9	25.5	231
	03-05	.4	1.3				1.3	2.5	17.5		4.2	23.6	240
	06-08		1.3				1.3	3.6	25.4		3.1	31.7	224
	09-11		3.3				3.3	4.6	65.6		3.7	73.9	241
	12-14	.4	2.1				2.1	.4	48.1		10.8	59.3	241
	15-17	.4	2.1				2.1	.4	33.3		6.6	42.4	243
	18-20	.4	1.6				1.6	.4	27.9		11.1	38.9	244
	21-23	1.2	4.5			.4	5.0	.4	20.7		9.1	30.2	242
TOTALS		.5	2.8			.1	2.9	1.6	32.3		7.2	40.7	1906

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

424380
STATION

RIYADH SAUDI ARABIA
STATION NAME

77-84

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & / OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	.9	1.8			.4	2.2		22.5		4.8	27.3	227
	03-05	.4	3.0				3.0		19.8		3.8	23.6	237
	06-08		2.2				2.2	3.1	43.6		1.3	48.0	227
	09-11		1.3				1.3	.4	70.0		5.4	75.4	240
	12-14		1.3				1.3		46.8		10.5	57.4	237
	15-17	.4	1.3				1.3		36.8		8.4	45.2	239
	18-20	1.3	1.7				1.7	.4	33.8		11.8	45.6	237
	21-23	.8	2.9				2.9	.4	25.5		10.5	35.1	239
TOTALS		.5	1.9			.1	2.0	.5	37.4		7.1	44.7	1883

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

474380
STATION

RIYADH SAUDI ARABIA
STATION NAME

77-84

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02		1.3				1.3		15.7		10.0	25.8	229
	03-05		.6				.8	1.3	16.7		3.8	21.3	240
	06-08	.4	.8				.8	.8	49.2		3.4	52.9	238
	09-11								69.0		9.0	78.0	245
	12-14		.4				.4		50.4		8.9	58.9	246
	15-17	.4	1.2				1.2		30.6		4.1	34.7	245
	18-20	.8	2.5				2.5		29.5		8.3	37.8	241
	21-23	.8	1.2				1.2		19.0		7.3	26.3	247
TOTALS		.3	1.0				1.0	.3	35.0		6.9	42.0	1931

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

404380 STATION RIYADH SAUDI ARABIA 77-84 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02		.5				.5		15.8		5.4	21.2	222
	03-05								16.9		3.5	20.3	231
	06-08								58.6		2.2	60.8	227
	09-11								69.3		10.9	79.4	238
	12-14		.4				.4		31.5		17.0	47.7	235
	15-17								11.4		19.9	31.4	236
	18-20								13.2		20.1	32.9	234
	21-23								19.6		5.1	24.7	235
TOTALS			.1				.1		29.5		10.5	39.8	1858

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

404380
STATION

RIYADH SAUDI ARABIA
STATION NAME

77-84

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02							.4	11.3		1.3	13.0	230
	03-05								11.4		1.2	12.6	246
	06-08								50.4		2.1	52.5	238
	09-11								71.8		9.4	81.2	245
	12-14								25.0		16.0	40.6	244
	15-17								10.6		16.3	26.4	246
	18-20								9.9		18.6	28.5	242
	21-23							,	15.3		4.1	19.4	242
TOTALS								.1	25.7		8.6	34.3	1933

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

434380 STATION RIYADH SAUDI ARABIA 77-84 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
AUG	00-02								9.6		1.3	13.9	229
	03-05								7.3		1.6	8.9	247
	06-08	.4	.4				.4		49.8		.9	50.2	229
	09-11								71.3		5.3	76.5	247
	12-14								24.7		10.5	34.7	239
	15-17								12.3		11.5	23.4	244
	18-20								11.5		11.9	23.5	243
	21-23								13.6		1.2	14.8	243
TOTALS		.1	.1				.1		25.0		5.5	30.4	1921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE /MAC

WEATHER CONDITIONS

404380 STATION RIYADH SAUDI ARABIA 77-84 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02							.4	6.2		.4	7.1	226
	03-05								5.9		1.7	7.1	238
	06-08							.4	50.0		1.8	51.8	226
	09-11								83.6		3.8	86.6	239
	12-14								27.7		5.1	32.8	235
	15-17								5.5		6.7	11.8	238
	18-20								6.5		6.1	12.6	230
	21-23								5.1		1.7	6.8	237
TOTALS								.1	23.8		3.9	27.1	1848

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

404380
STATION

RIYADH SAUDI ARABIA
STATION NAME

77-84

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02		.9				.9	.5	4.6		1.8	6.8	219
	03-05		1.2				1.2	1.2	4.5		.4	6.1	244
	06-08		2.1				2.1	1.3	32.6		.4	34.3	233
	09-11		1.6				1.6	1.2	79.3		.8	81.3	246
	12-14		.4				.4	.4	36.6		2.1	39.3	242
	15-17		.4				.4	.4	10.2		.4	11.1	244
	18-20		.4				.4	1.2	16.6		1.2	19.1	241
	21-23		1.7				1.7		9.5			9.5	241
TOTALS			1.1				1.1	.8	24.3		.9	25.9	1910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

404387
STATION

RIYADH SAUDI ARABIA
STATION NAME

77-84

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		.4				.4	.4	7.9		4.0	12.3	227
	03-05							.4	8.0		.8	9.3	237
	06-08		.9				.9	2.1	20.6		.9	23.2	233
	09-11							3.3	57.3		.4	61.1	239
	12-14	.4	.4				.4	.8	32.8		4.2	37.4	238
	15-17		.8				.8	.4	13.4		1.7	15.1	238
	18-20							.4	15.0		2.6	17.9	234
	21-23							.4	12.6		.8	13.8	239
TOTALS		.1	.3				.3	1.0	21.0		1.9	23.8	1885

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

4 14380 STATION RIVADH SAUDI ARABIA 77-84 YEARS DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		1.3				1.3	3.0	11.2		2.2	16.4	232
	03-05		.4				.4	4.6	7.5		2.1	14.2	240
	06-08	.4	2.2				2.2	8.0	8.8		2.7	19.0	226
	09-11		2.0				2.0	6.9	57.1		1.6	65.7	245
	12-14		.4				.4	1.2	38.5		5.7	45.1	244
	15-17		1.6				1.6	1.2	22.2		2.8	26.2	248
	18-20		1.2				1.2	1.6	26.2		2.5	29.9	244
	21-23		1.2				1.2	1.6	19.4		2.0	23.1	247
TOTALS		.1	1.3				1.3	3.5	23.9		2.7	30.0	1926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

404380 STATION PIVACH SAUDI ARABIA 77-84 YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LAST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIR	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	ALL	.1	1.4				1.4	3.1	28.6		4.4	35.7	1929
FEB		.3	1.8				1.8	2.1	31.3		4.7	37.9	1724
MAR		.5	2.8			.1	2.9	1.6	32.3		7.2	40.7	1906
APR		.5	1.9			.1	2.0	.5	37.4		7.1	44.7	1883
MAY		.3	1.0				1.0	.3	35.0		6.9	42.0	1931
JUN			.1				.1		29.5		10.5	39.8	1858
JUL								.1	25.7		8.6	34.3	1933
AUG		.1	.1				.1		25.0		5.5	30.4	1921
SEP								.1	23.8		3.4	27.1	1868
OCT			1.1				1.1	.8	24.3		.9	25.9	1910
NOV		.1	.3				.3	1.0	21.0		1.9	23.8	1885
DEC		.1	1.3				1.3	3.5	23.9		2.7	30.0	1926
TOTALS		.2	1.0			.0	1.0	1.1	28.2		5.3	34.4	22574

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SURFACE WINDS

PART 2

Presented in this part are various tabulations of surface winds as follows:

2

Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm vs 11 wind speed (knots) increments in Beaufort classifications. Percentages are shown for both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

These tables are prepared for all years combined, by month by available 3-hour groups.

A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ALL-STATE STATION NAME ALL-STATE YEARS 17-24 NORTH 107-108
CLASS ALL-STATE HOURS (L.S.T.) 107-108
CONDITION ALL-STATE

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.5	1.5	.2	.5							.1	6.0
NNE	1.0	.5	1.3	.2								.1	5.7
NE	.	1.3	1.4									.1	5.0
ENE	.	1.3	.5									.2	5.0
E	.	.5	.2									.2	4.5
ESE	1.1	.5	.5	.2								.1	5.0
SE	1.0	1.0	.5	.3								.1	5.0
SSE	1.0	3.3	7.0	.5								.4	5.0
S	1.2	1.3	5.7	.2								1.0	5.0
SSW	.	.6										.	5.3
SW	.1	.3	.2									.	5.0
WSW	.											.	5.0
W	.	.1	.2	.2	.2							1.1	5.1
WNW	.	.2	.3		.2							1.1	7.0
NW	1.0	1.4	.6	.3		.2						3.0	6.2
NNW	.2	4.7	7.7	.6	.3	.2	.2					1.3	7.7
VARBL													
CALM													
	15.7	29.1	14.1	3.8	1.3	.3	.2					1.0	4.4

TOTAL NUMBER OF OBSERVATIONS 67

AL CLIMATELOGY BRANCH
STAC
FAT - SERVICE - NAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.0	1.4	1.2								1.0	1.0
NNE	1.0	1.0	.3									1.0	4.0
NE	.	.7	.5	.2								1.0	5.0
ENE	.	.										1.0	1.0
E	.	.2	.2									1.0	4.0
ESE		.	.3									1.0	5.0
SE	.	1.2	.7	.3								2.4	6.0
SSE	.5	3.1	2.1									.5	1.0
S	.5	1.1	3.4	.2								14.7	1.0
SSW	.	.	.2									.	5.0
SW	.	.2										.	3.0
WSW	.	.2										.	7.0
W	.	.2										.	4.0
WNW	.	1.6	.2									.	3.0
NW	1.3	1.7	.9	.3	.3							4.2	1.0
NNW	1.0	3.4	2.6	1.0		.5						.1	7.0
VARBL													
CALM												4.0	
	1.4	26.1	14.9	4.3	.3	.5						110.0	3.0

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION STATION 53 OF SEA-1A 77-04 YEARS 1977 MONTH 12

STATION NAME ALL SEASHELL CLASS 1

CONDITION 1

HOURLS (L.S.T.) 12

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	3.0	.5	.7							1.0	1.0
NNE	.7	2.0	.1	.7	.2							.1	0.3
NE	.7	1.3	1.0									.1	0.6
ENE	.	.2	.3									.	.1
E	.	.3										.	0.4
ESE	.	.2										.	.1
SE	.	.2	1.2	.5								.1	0.1
SSE	1.0	2.4	2.8	.2								.1	.1
S	.3	.1	3.0	.3								1.0	1.0
SSW	.											.	.1
SW	.	.2	.2									.	0.1
WSW	.	.3										.	.4
W	.	.3	.2									.	.1
WNW	.	.5	.3	.2								.1	.1
NW	1.0	2.3	2.5	.2								.1	.1
NNW	1.0	3.1	1.5	1.2	.3							.1	0.7
VARBL													
CALM													
	1.2	0.3	17.6	3.3	1.2							1.0	1.7

TOTAL NUMBER OF OBSERVATIONS 100

U.S. AIR FORCE
 AIR FORCE
 AIR FORCE SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION SALE ARABIA STATION NAME SALE ARABIA YEARS 77-84 MONTH ALL MONTHS

CLASS ALL WEATHER

CONDITION

NOBS (L.S.T.) 1000

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.0	4.5	3.0	1.4	.1						11.1	5.6
NNE	.0	3.0	2.0	1.4	.3							7.0	7.0
NE	.0	2.0	1.6	.6								5.0	5.0
ENE	.0	1.0	.1	.1								1.0	5.0
E	1.0	1.0	.3	.1	.1							.0	5.0
ESE	.0	1.0	.4									.0	4.0
SE	.0	2.0	2.0	.6								5.0	6.0
SSE	1.0	5.0	3.0	1.0								11.1	5.4
S	1.0	7.0	7.0	2.0	.3							10.0	7.0
SSW	.0	.0	.1									1.0	5.0
SW	.0	.0	.3									1.0	5.0
WSW	.0	.1	.1									.4	4.0
W	.0	.0		.1								1.0	4.0
WNW	.0	.3	.1									.0	5.0
NW	.0	.1	.0	.7	.4							2.0	11.1
NNW	1.0	1.0	1.0	1.0	.7							5.0	9.0
VARBL													
CALM												18.0	
	11.0	32.0	24.0	11.0	3.0	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1000

ALPHABETICALLY

DATE: 1 SEP 64

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAKE CHARLES ARABIA YEARS 77-84 MONTH JAN

ALL WEATHER CLASS 100-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.3	3.6	3.4	1.3							1.6	1.6
NNE	.7	2.2	7.0	1.7	.5							.5	4.0
NE	.4	2.3	.6	.1	.1							.5	6.2
ENE	.1	1.3	1.1									.5	6.0
E	.7	2.2	.7									.5	5.0
ESE	.4	1.7	1.1	.3								.5	6.0
SE	.4	3.6	2.4	.4								.7	6.7
SSE	.4	4.4	5.3	1.0								11.3	7.3
S	1.1	.7	7.7	4.2	.6							1.6	6.7
SSW	.4	.7	1.0	.6								.5	7.5
SW	.1	.7	.6	.4								1.6	7.1
WSW	.1	1.7	.7	.3								.5	6.6
W	.4	1.1	1.7									.5	6.7
WNW	.4	.7	1.1									.5	7.1
NW	.4	.7	1.1	.9	.1	.1						3.6	4.0
NNW	.4	1.4	1.1	2.0	.6							.5	10.3
VARBL													
CALM												.9	
	.7	32.0	13.1	15.2	3.3	.1						110.0	7.4

TOTAL NUMBER OF OBSERVATIONS 607

U.S. AIR FORCE
 CLIMATE
 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4773 STATION NAME SA 111 47A-1A YEARS 77-84 MONTH JAN
 CLASS ALL WEATHER
 HOURS (L.S.T.) 1 0-17 0
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	4.5	4.0	1.6							11.1	11.1
NNE	1.2	1.0	3.7	.7	.3							7.6	7.7
NE	.0	1.0	1.3	.1								4.3	6.4
ENE	.0	1.0	1.3	.1								3.0	6.7
E	1.0	1.6	.7	.1								.0	5.0
ESE	.1	1.0	1.6	.4		.1						4.2	7.0
SE	.0	4.3	3.0	.9	.4							7.0	7.8
SSE	1.0	4.0	4.3	1.3	.1							11.0	7.0
S	.0	3.7	6.3	2.1	1.0	.3						14.1	9.5
SSW		.0	.6		.1							1.0	6.9
SW	.3	.0	.4	.1								1.0	5.9
WSW	.0	.0	.4	.4								2.1	7.7
W	.0	1.0	.7	.3								3.0	6.4
WNW		.0	.1	.1								.0	7.8
NW	.0	.3	1.5	1.5	.4	.1						4.3	11.0
NNW		1.2	2.1	2.4	.6	.4						6.7	11.0
VARBL		.0										.1	0.0
CALM												.0	
	1.6	24.0	33.5	15.1	4.8	1.0						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 669

U.S. MAIL ROOM
U.S. AIR FORCE
U.S. AIR FORCE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 43.0 LYON SA DI ARABIA 17-84 YEARS 16 MONTH 10-10
STATION NAME CLASS HOURS (L.B.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.9	5.1	2.5	.2	.3						10.0	5.1
NNE	.1	3.5	4.5	2.0	.5							11.0	5.0
NE	1.0	2.8	3.9	.5								.5	5.0
ENE	.1	1.4	1.7	.5	.3							.2	7.3
E	.1	2.9	1.5									1.1	5.7
ESE	.1	4.2	.9									1.0	5.0
SE	.1	1.3	2.7	.5								.5	5.0
SSE	1.1	1.6	5.3	.9	.2							12.5	7.1
S	1.0	2.6	3.0	1.1	.2							1.1	7.3
SSW					.2							.5	12.0
SW		.1	.2									.5	5.0
WSW	.1	.2	.2									.5	5.7
W		.5	.2	.2	.2							1.4	7.4
WNW	.1	.2	.2	.5								1.1	7.4
NW		.2	.5	.6	.3							1.1	11.1
NNW	.2	.1	2.0	1.4	.3							4.7	9.8
VARBL	.1	.2										.5	3.0
CALM												1.0	
	.1	34.1	33.3	16.5	2.3	.3						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 666

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 11-15-2000 BY 60322

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	77-94	MONTH
ALL WEATHER		CLAS	12-21-0
CONDITION			HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.1	.2	6.1	.9	.3	.2						10.1	6.1
NNE	.	.2	4.4	1.4	.3	.2						10.1	6.1
NE	.	3.6	4.7	.8								7.3	7.2
ENE	.	1.6	.6	.3	.2							3.6	6.6
E	1.1	1.7	.6	.2								3.6	5.4
ESE	.	.2	1.2	.5								.3	6.6
SE	.	1.6	1.7	.3								3.4	6.6
SSE	.1	6.1	4.7	.9	.2							13.4	6.4
S	.1	1.2	4.4	.5								1.1	6.3
SSW													
SW	.1	.3	.7									.	5.3
WSW		.										.	4.3
W	.		.7		.3							.	5.3
WNW	.1	.5	.3	.2	.2							1.1	7.7
NW	.1	.1	.5	.5								3.1	7.6
NNW	.1	1.7	2.4	.3	.5							3.1	6.2
VARBL	.	.2										.	2.3
CALM												1.1	
	11.1	3.1	31.1	6.5	1.8	.1						100.1	5.7

TOTAL NUMBER OF OBSERVATIONS 561

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 17 SAVANNAH SAVAL STATION NAME 77-24 YEARS 78

CLASS ALL WEATHER HOURS (L.S.V.) LL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	3.0	2.1	.7	.1						10.0	2.1
NNE	.	2.0	2.0	1.0	.3	.1						3.3	7.7
NE	.	2.0	2.0	.3	.0							.1	6.6
ENE	.	1.0	.7	.1	.1							.1	6.2
E	.	1.0	.0	.1	.0							.1	5.2
ESE	.	1.0	.8	.2		.0						.1	6.1
SE	.	2.0	1.0	.5	.1							.1	6.7
SSE	1.0	4.0	4.0	.0	.1							10.0	6.6
S	1.0	5.0	.3	1.0	.3	.0						14.0	7.1
SSW	.	.3	.2	.1	.0							.1	6.7
SW	.	.0	.2	.1								1.0	6.6
WSW	.	.5	.2	.1								.1	6.2
W	.	.	.4	.1	.1							1.0	6.6
WNW	.	.6	.4	.1	.0							1.0	6.6
NW	.	1.0	1.1	.6	.2	.1						3.0	8.3
NNW	.	2.1	2.1	1.3	.4	.1	.0					6.0	8.8
VARBL	.	.1										.1	3.0
CALM												1.0	
	1.0	30.2	26.3	8.9	2.3	.3	.0					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 210

ALL CLIMATOLOGY STATION

USAFETAC

AF WEATHER SERVICE/AMAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
AF 1000	STATION 54011 RADIA	77-84	78
ALL WEATHER			100-100
CLASS			HOURLY (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.0	3.1	2.7	1.5	.3							1.2	7.4
NNE	.	1.0	3.1	1.5	.2							1.2	6.4
NE	.	.5	1.7	.7								1.0	7.5
ENE		.7	1.0	.5								2.2	6.0
E	.	.7	.9	.2	.2							1.0	6.9
ESE	.	.7	.9	.2								1.0	6.0
SE		3.2	.7	.2								1.3	6.0
SSE	1.0	4.1	3.1	1.4	.2							10.0	6.0
S	1.0	6.1	4.3	.5								17.3	6.3
SSW	.											.2	3.0
SW	.	.5										.7	4.5
WSW		.7	.3									.5	7.0
W	.	.3		.2	.2							1.0	5.2
WNW	.	.3	.9									1.0	5.3
NW	.	2.2	1.0	.5	.3	.2						.1	7.3
NNW	1.0	4.4	1.4	.3	.7							.0	6.3
VARBL													
CALM												7.7	
	10.2	2.2	22.0	7.7	2.0	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 576

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANOGRAPHIC SERVICE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 17-24 STATION NAME ALL WEATHER YEARS 17-24 NORTH 00-01
CLASS CL HOURS (L.S.T.) 00-01
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.1	3.1	.5								6.1	6.1
NNE	.	1.5	3.1	1.2								5.4	5.4
NE	.	.5										4.0	4.0
ENE	.	.5	.3									1.0	1.0
E	.	.1	.3									1.0	1.0
ESE	.2	.1	.2									1.0	1.0
SE	.	1.1	1.7	.2								1.0	1.0
SSE	1.2	2.3	3.3	1.4								1.0	1.0
S	1.0	6.5	4.5	.2		.2						13.1	6.0
SSW	.	.1										4.0	4.0
SW	.											4.0	4.0
WSW	.	.2		.2								4.7	5.0
W	.	1.2										1.0	1.0
WNW	.	.1	.2	.2								2.0	2.0
NW	.	2.4	1.4	.2								4.0	4.0
NNW	1.2	2.0	2.4	.2	.2							1.0	1.0
VARBL													
CALM												1.7	
	1.1	24.6	21.4	4.9	.2	.2						12.0	4.1

TOTAL NUMBER OF OBSERVATIONS 574

AL CLIMATELOGY BRANCH
 1740
 EASTERN SERVICE ZONE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION YABOH SAUDI ARABIA STATION NAME

77-74 YEARS

120 MONTH

ALL WEATHER

CLASS

CONDITION

10-140 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.1	2.1	.7								1.6	6.4
NNE	.	1.1	1.1	.9								4.2	7.8
NE		1.	1.3									.1	6.4
ENE		.7	.7									.	6.1
E	.3	.7	.7									1.7	6.5
ESE	.	.7										.	6.2
SE	1.2	1.1	1.4									2.1	6.4
SSE	1.	2.3	5.2	.5								.7	6.6
S	1.1	5.7	4.2									1.1	5.1
SSW	.	.7										.3	4.8
SW	.	.3										.5	5.3
WSW	.	.7										.7	3.1
W	.	.7	.7									1.4	4.4
WNW	1.1	1.7	.7									.1	4.1
NW	.	2.3	2.1	.3								.4	6.1
NNW	1.	1.	3.5	.5	.3							.5	6.7
VARBL													
CALM												.7	
	1.1	2.1	2.2	3.0	.3							1.6	6.1

TOTAL NUMBER OF OBSERVATIONS

576

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION SAINT AUGUSTINE 17-84 YEAR 1984 MONTH 11
STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 00-23
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.3	4.6	1.9	.5							.9	9.5
NNE	.	2.2	3.7	1.3	.2							1.0	5.3
NE	.	1.0	1.0	.2								.4	6.3
ENE	.	1.0	.5									.3	5.5
E	.	1.5	1.9	.2								.4	6.0
ESE	.	2.4	1.0									.7	5.6
SE	.	2.4	1.0	.5								.6	6.7
SSE	.	.2	5.3	1.8	.2							11.0	6.3
S	1.0	4.3	5.4	2.9	.3							14.2	7.1
SSW	.	.3	.5									.1	4.9
SW		.		.2								.	7.0
WSW		.	.2	.2								1.3	7.5
W		.	.	.2								1.4	6.7
WNW	.	.7	.3	.3								1.7	6.0
NW	.	.	.5	.3								1.0	7.5
NNW	.	1.0	2.0	3.0	1.1	.6						.4	11.4
VARBL													
CALM												1.7	
	.7	24.9	32.1	14.8	2.2	.5						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 107

U.S. AIR FORCE
 METEOROLOGICAL
 SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ALYAH SAUDI ARABIA STATION NAME 77-R4 YEARS 1960-1970 MONTH 1960-1970

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.7	3.5	.4	.6							5.7	1.0
NNE	.	1.4	4.	1.7	.3							5.4	5.3
NE	.	1.4	1.5	.2								3.3	7.3
ENE	.	.3	.2	.3								2.	7.1
E	.	2.5	1.1		.2							.2	5.
ESE	.	2.2	1.6	.5								.2	5.2
SE	.	3.0	3.0	1.1								.7	7.
SSE	.	4.1	5.0	2.2	.5							12.1	9.2
S	.	4.1	5.6	2.5	.8							13.7	8.2
SSW	.	.3	1.1	.3								2.7	7.2
SW	.	.5	.4									1.	6.4
WSW	.	.2	.2	.8		.2						1.2	4.3
W	.	.	.2	.5								1.2	4.
WNW	.	.5	.1	.2								1.	7.5
NW	.	.2	2.1	.8		.2						3.	7.4
NNW	.	.6	2.4	3.8	1.3	.5						11.1	12.3
VARBL													
CALM													
	1.4	25.5	35.7	18.9	3.6	.8						100.0	7.

TOTAL NUMBER OF OBSERVATIONS 630

ALL CLIMATE DATA
 FROM
 U.S. AIR FORCE SERVICE FILE

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 77-44 STATION NAME ALL WEATHER YEARS 1967-1977 MONTH 1-17
 CLASS ALL WEATHER HOURS (L.S.T.) 1-17
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	2.2	4.1	4.1	1.4	.2						1.4	1.4
NNE	.	2.7	3.5	1.9	1.4	.2						.6	1.4
NE	.	1.5	2.2	.7								.1	7.2
ENE	.	1.1	.6	.2								.2	6.1
E	.	1.1	2.1	.9								4.1	7.6
ESE	.	3.3	2.5	.6								7.1	7.1
SE	.	1.1	3.3	1.4	.2							7.1	6.1
SSE	.	3.7	5.7	2.9								1.6	6.6
S	.	3.3	5.1	2.9	.2							11.1	8.6
SSW	.	.6	.2									1.1	6.5
SW		1.1	1.1	.2								2.4	7.6
WSW		1.1	1.1									2.2	7.6
W		.	1.4	.5								2.4	6.7
WNW		.	.3		.2							.	6.6
NW		.	1.3	1.1	.3							3.1	13.2
NNW	.	.4	2.2	2.2	1.1	.5						7.3	11.1
VARBL													
CALM												7.3	
	1.3	6.2	38.8	19.6	4.3	.6						1.6	6.6

TOTAL NUMBER OF OBSERVATIONS 627

ALL CLIMATOLOGY STATION
 DTAC
 STATION SERVICE/NAAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION SYDNEY, AUSTRALIA YEARS 77-84 MONTH ALL
 STATION NAME ALL WEATHER CLASS ALL WEATHER
 CONDITION ALL WEATHER HOURS (L.S.T.) 0-2400

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	5.7	2.5	.3							13.7	6.0
NNE	.	2.0	5.4	5.1	1.3	.2						14.3	10.3
NE	.	1.0	3.0	.5								.4	7.0
ENE	.	1.3	2.1	.4		.7						4.0	3.3
E	.0	2.0	1.0	.5								.1	6.4
ESE	1.0	1.1	2.1	.5								.2	5.6
SE	.	3.0	3.0	.2								.8	6.6
SSE	.	5.1	5.1	.3								1.0	4.0
S	.	2.0	3.0	2.9								.6	5.1
SSW	.	.	.1									.0	5.7
SW	.	.5		.								.7	5.0
WSW	.	.		.2								.5	4.3
W	.	.										.	4.7
WNW	.2	.	.7	.2								1.0	7.0
NW		.	.2	.1								1.0	7.6
NNW		.	2.1	.7	.7	.3						4.3	11.3
VARBL		.										.	4.0
CALM												7.7	
	1.0	31.0	32.5	1.0	2.3	.7						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 600

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 77-4 STATION NAME ALL WEATHER YEARS 1950-1951 MONTH 1950-1951
CLASS ALL WEATHER HOURS (L.S.T.) 1950-1951
CONDITION ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	4.1	4.7	1.3	.3							11.4	7.1
NNE	.1	1.2	5.7	4.4	.5							11.1	7.1
NE	.1	1.7	4.7	1.7								11.1	7.1
ENE	.1	.5	2.1	.3	.2							11.1	7.1
E	.1	.5	3.7	.5								11.1	7.1
ESE	.1	.5	1.7	.5								11.1	7.1
SE	.1	2.7	2.1	.5								11.1	7.1
SSE	.1	4.4	4.4	1.7								11.1	7.1
S	1.1	4.7	4.2	.4								11.1	7.1
SSW		.5	.7		.7							11.1	7.1
SW		.5			.7							11.1	7.1
WSW	.1	.7			.7							11.1	7.1
W		.5										11.1	7.1
WNW		.7	.3									11.1	7.1
NW	.1	1.1	.5		.3							11.1	7.1
NNW	.1	1.5	1.5	.3	.2							11.1	7.1
VARBL												11.1	7.1
CALM												11.1	7.1
	7.1	3.2	35.7	5.8	2.4							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 100

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFM 7-10.1
 1-1-1964 (REV. 1-1-1964)

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME LEACH SANIT STATION YEARS 77-84 MONTH ALL
 CLASS ALL
 CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.0	4.1	2.0	.5	.0						10.6	6.6
NNE	.0	2.2	4.0	2.0	.5	.1						10.3	6.1
NE	.0	1.3	2.1	.4								4.8	7.2
ENE	.0	1.0	1.0	.3	.0	.0						2.3	7.0
E	.0	1.6	1.5	.3	.0							3.4	6.8
ESE	.0	1.9	1.2	.3								3.4	6.1
SE	.0	2.0	2.3	.5	.0							5.8	6.9
SSE	.0	3.0	4.7	1.5	.1							10.3	7.7
S	1.1	4.0	4.6	1.6	.2	.0						14.2	7.4
SSW	.0	.8	.4	.0	.0							1.0	6.4
SW	.0	.5	.2	.1								.8	6.2
WSW	.0	.4	.4	.2	.1	.0						1.2	6.3
W	.0	.5	.4	.2	.0							1.3	6.7
WNW	.0	.6	.6	.1	.0							1.7	6.3
NW	.0	1.4	1.2	.5	.1	.0						3.2	7.7
NNW	.0	1.0	2.3	1.6	.7	.2						7.4	8.5
VARBL		.1										.1	4.0
CALM												.1	
	1.8	26.9	31.0	11.5	2.2	.4						10.3	6.6

TOTAL NUMBER OF OBSERVATIONS 4652

ALL CLIMATE LOGS - MARCH
1977
EXT. - SEA ICE ANAL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10000 SAINT ANABIA YEARS 77-84 MONTH MA

ALL WEATHER CLASS 100-100

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.9	4.0	2.5	.3	.3	.2	.2				12.0	5.7
NNE	.	2.2	3.7	1.2	.5							6.8	5.0
NE	.	1.2	.5	.5								2.0	6.8
ENE	.	1.2	1.2	.3								.1	7.1
E	.	2.3	1.9	.8								6.6	6.7
ESE	1.0	1.0	1.9									4.0	5.8
SE	.	2.2	2.0	.3								6.1	6.5
SSE	.	4.3	5.4	1.7								11.0	7.8
S	.	4.2	3.0	1.2								10.1	7.2
SSW	.	.2	.2									.0	4.0
SW	.	.5	.3	.2								1.1	7.0
WSW	.											.0	3.0
W	.	.3	.3		.2							.0	6.0
WNW	.	.6	.5			.2						1.0	7.4
NW	.	1.1	1.1	.8	.3							3.4	7.5
NNW	.	2.1	2.2	.9	.7							6.0	7.1
VARBL													
CALM												74.2	
	2.1	26.6	28.3	10.4	1.7	.5	.2	.2				100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 644

U.S. AIR FORCE CLIMATE CENTER
 AFAP
 EAST ASIAN SERVICE MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILSON SAUDI ARABIA STATION NAME 77-R4 YEARS 1959-1960 MONTH 1959-1960

ALL WEATHER CLASS ALL WEATHER HOURS (L.S.T.) 1959-1960

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.0	2.2	1.0	.6	.2							5.4	7.3
NNE	1.0	1.0	2.6	.6	.0							6.0	7.0
NE	.0	1.1	.5	.2								1.2	5.4
ENE	.0	.7	.5									1.0	5.0
E	.0	.5	.2	.7								1.2	5.3
ESE	.0	2.2	.5									.3	5.0
SE	.0	2.3	1.7									.0	5.0
SSE	1.0	4.2	4.0	.9								1.7	6.6
S	1.0	.5	4.8	.3								11.0	6.3
SSW	.0	.3	.5									.5	6.2
SW	.0											.7	3.1
WSW	.0	.5										.3	4.4
W	.0	.0	.5	.2								2.0	6.2
WNW	.0	.0	.3	.6	.3	.2						2.2	11.4
NW	.0	2.0	1.2	.3								3.9	6.5
NNW	.0	2.3	3.3	1.4	.2							1.5	7.5
VARBL													
CALM												72.1	
	17.1	25.5	22.6	5.3	.8	.2						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 640

AL CLIMATOLOGY
141
UNIT N SERVICE AL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ROYAL SA DI AYA IA YEARS 77-84 MONTH NORTH

CLASS ALL WEATHER

CONDITION

HOURS (L.S.T.) 00-2300

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.4	3.4	.5	.5	.2						1.1	2.4
NNE	1.1	.	1.2	.6	.2							1.1	7.0
NE	.	1.1	1.1	.3								1.1	6.7
ENE	.	.	.3									1.2	4.0
E	.	1.1	.3									1.1	5.4
ESE	.	1.1	.2									1.1	4.4
SE	1.2	2.2	.2									4.2	4.7
SSE	1.1	4.0	3.7	.3								4.1	5.0
S	.	2.3	4.7									1.1	5.7
SSW	.	.	.2									1.1	4.3
SW	.	.										.	3.0
WSW	.	.	.3	.2								.	8.0
W	.	1.1	.2	.2								.	1.0
WNW	.	1.4	1.1	.2								1.1	8.0
NW	.	2.2	2.3	.2								1.6	7.2
NNW	1.0	2.5	2.5	1.1	.3		.7					1.1	8.0
VARBL													
CALM												34.7	
	10.7	25.4	22.7	4.0	.9	.2	.3					1.0	4.3

TOTAL NUMBER OF OBSERVATIONS 643

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LYON SAUDI ARABIA YEARS 77-84 MONTH 10-11

STATION NAME ALL WEATHER CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.	1.2	2.1	.7							7.2	1.1
NNE	.1	1.	3.6	1.7	1.6	.1						2.4	10.2
NE	.1	.7	2.7	.4								3.6	7.3
ENE	.1	.	.	.3								.3	6.7
E	.	2.4	1.4		.1							.7	5.7
ESE	1.	2.0	.7	.3								1.7	5.6
SE	.	.1	2.4	.4								6.	5.4
SSE	1.	4.	7.6	1.3	.4							14.	7.7
S	1.	.	6.6	2.3								17.4	7.4
SSW	.	.	1.7	.1								2.	7.3
SW	.	.1	1.		.1							2.	7.4
WSW	.	1.3	.4	.3	.1							1.3	7.9
W	.	.4	.6	.1	.3	.1						1.7	10.7
WNW	.	.3	.4	.4								1.4	7.5
NW	.	.3	1.	.6								.1	8.1
NNW	.	.2	1.3	2.6	.4		.4					.1	11.9
VARBL													
CALM												1.1	
	1.3	25.1	34.6	12.1	3.0	.3	.4					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 710

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION ALABAMA STATION NAME ALABAMA YEARS 17-84 MONTH 1

ALL WEATHER CLASS 100-14 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.3	2.5	1.8	.5							6.2	4.7
NNE	.	2.0	2.4	1.6	.3	.1						1.1	1.1
NE	.	1.4	1.6	.6								1.7	7.7
ENE	.	.7	.6	.3								1.1	7.1
E	.	2.1	1.6	.3								1.1	6.3
ESE	.	1.1	2.1	.1								3.7	7.3
SE	.	1.1	3.3	1.6	.3							7.8	6.2
SSE	.	1.0	6.1	3.8	.8							17.3	4.4
S	1.1	6.2	7.6	1.4								15.1	7.4
SSW	.	1.3	1.1	.3								1.3	6.3
SW	.	1.3	1.1									2.1	7.1
WSW	.	.1	2.1	.6								1.4	6.4
W	.	1.1	2.1	1.7	.1	.1						1.4	4.6
WNW	.	.4	.6	.1		.1						1.1	8.3
NW	.	1.1	1.0	1.6	.1							4.1	4.7
NNW	.	.2	.1	1.7	1.1							2.1	13.4
VARBL													
CALM												7.1	
		28.6	37.0	17.4	3.8	.4						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 715

U.S. CLIMATE BUREAU
 METAC
 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NO. 4340 STATION NAME ALYADH SAUDI ARABIA YEARS 77-84 MONTH NORTH

CLASS ALL WEATHER DATE 10-17-84

CONDITION _____

HOURE (L.S.T.) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.7	1.8	1.0							8.0	1.0
NNE	.0	3.0	3.7	2.5	.4							10.0	1.7
NE	.0	1.1	2.1	1.3								4.0	1.7
ENE	.1	.0	1.3	.1								2.7	1.0
E	.7	1.7	1.4	.7	.1							.1	1.7
ESE	.0	2.4	1.8	.6								5.0	1.0
SE	.0	1.0	3.0	1.8								1.1	1.0
SSE	.0	2.1	4.0	2.1	.8							10.0	1.0
S	.0	1.7	5.2	2.4	.3							10.2	1.0
SSW		1.0	1.1	.3								.0	1.0
SW		.1	.6	.7								1.4	1.0
WSW	.1	1.0	3.7	1.0	.1							6.0	1.0
W		1.0	3.1	2.1	.4							8.0	1.0
WNW		.0	.7	.1	.1							1.2	1.0
NW		.4	.7	1.3	.1							2.7	1.0
NNW	.0	1.0	2.3	2.4	.7							7.2	1.0
VARBL													
CALM													
	4.0	24.1	32.2	21.3	4.2							100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 774

ALBUQUERQUE, N.M.
 STATION
 1947-1954

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALBUQUERQUE, N.M. STATION NAME ALBUQUERQUE, N.M. YEARS 1947-1954 MONTH ALL
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.) 00-24

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.0	5.6	1.3	1.4	.1						1.1	1.1
NNE	.1	1.7	5.1	2.2	.4	.3						1.1	1.1
NE	.1	2.0	3.0	1.0	.1							.7	7.0
ENE	.1	1.3	1.4	.0	.1							.0	1.0
E	.1	2.0	2.0	1.0								.0	7.0
ESE	.1	2.4	2.0	.3	.3							.0	6.0
SE	.1	2.7	4.3	.4								.0	7.0
SSE	.1	3.3	5.0	2.2	.6							1.2	7.0
S	.1	1.6	2.3	.7								.0	7.0
SSW	.1	.1	.1	.1								1.2	7.0
SW	.1	.1	.1	.1	.1							1.0	6.0
WSW	.1	.4	.6									1.2	6.0
W	.1	1.2	2.5	.0								.4	6.0
WNW	.1	.4	.4	.3	.1							1.4	6.0
NW	.1	.1	1.4	1.2	.1	.4						.0	11.0
NNW	.1	1.0	1.4	1.2	.1	.1						.4	7.0
VARBL													
CALM													
	.1	24.2	41.0	1.0	3.6	1.0						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

YAN SAUL AGARLA

STATION NAME

77-24

YEARS

MONTH

ALL READ -ED

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.0	4.4	1.9	1.3	.3	.1					11.2	1.0
NNE	.	.3	5.2	2.2	.9							1.3	6.7
NE	.	2.0	3.6	1.5	.1							2.5	6.3
ENE	.	2.2	1.6	.6	.1							.4	7.0
E	.0	3.1	2.7	1.3								.8	7.3
ESE	.	2.1	1.3	.6								.0	6.6
SE	.	1.0	2.8	.7								.0	7.7
SSE	.	3.9	5.8	2.6								1.0	6.0
S	1.0	2.1	2.2	.0								6.7	6.7
SSW		.	.1									.4	6.0
SW	.1	.1	.1	.1								.0	7.3
WSW	.		.0									.7	7.4
W	.	.1	.4	.3	.1							1.2	9.0
WNW	.1	1.0	.3	.3								1.0	6.3
NW	.	.0	1.0	.3	.6	.1						.0	11.0
NNW	.	1.0	1.0	.6	.1							4.7	7.8
VARBL													
CALM												1.1	
	7.0	26.2	34.9	14.1	3.4	.4	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 100 1A 63 A-1A STATION NAME 77-54 YEARS ALL MONTH ALL
 CLASS ALL HOURS (L.S.T.) ALL
 CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N	.0	1.0	3.6	1.8	.0	.1	.0	.0				.1	1.0
NNE	.0	2.1	3.4	1.7	.7	.1						.7	5.0
NE	.0	1.0	1.0	.7	.0							.4	7.7
ENE	.4	.0	1.0	.3	.0							.7	7.1
E	.0	2.1	1.0	.5	.0							.4	6.0
ESE	.0	2.1	1.4	.2	.0							.4	6.7
SE	.0	2.1	2.7	.7	.0							.4	7.1
SSE	.0	.0	5.3	1.9	.4							1.0	8.1
S	1.0	2.7	4.7	1.2	.0							11.0	7.0
SSW	.0	.0	.0	.1	.0							1.0	6.6
SW	.0	.0	.0	.1	.0							1.0	7.1
WSW	.0	.0	1.1	.3	.0							.2	6.0
W	.0	.0	1.1	.7	.1	.0						3.3	7.1
WNW	.0	.0	.0	.3	.1	.1						1.0	6.4
NW	.0	1.1	1.2	.0	.2	.1						3.0	6.5
NNW	.0	1.0	1.7	1.0	.4	.0	.1					.1	7.5
VARBL													
CALM												17.0	
	.1	25.7	32.3	1.0	2.0	.4	.1	.0				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 147

U.S. AIR FORCE
CLIMATE
STATION

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 145 H 6A LI APA-14 YEARS 77-84 MONTH AP
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.) 1400-1500

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.0	3.0	1.7	.3							.1	2.0
NNE	.0	2.0	2.0	1.4	.6	.3						.1	2.0
NE	.0	2.3	2.6	.5	.6							.4	2.0
ENE	.0	1.0	1.0	.9								4.0	7.0
E	1.0	2.0	2.1	.2								.1	2.0
ESE	.0	1.1	.0	.0	.2							4.0	6.0
SE	1.1	3.0	.3	.2		.2						.2	3.0
SSE	1.0	2.0	1.1	.2								.4	2.0
S	.3	4.1	3.0	.5								1.0	6.0
SSW	.0	.0	.2									1.0	3.0
SW	.0	.0	.0									1.0	7.0
WSW	.0	.2	.0									1.0	3.0
W	.0	.3	.0	.3								1.0	6.0
WNW	.0	.0	.3	.2	.2							.0	6.0
NW	.0	.0	.3									1.0	4.0
NNW	.0	1.0	1.1	.3	.3							.0	7.0
VARBL													
CALM												2.0	
	10.0	27.6	23.2	6.6	2.1	.5						100.0	

TOTAL NUMBER OF OBSERVATIONS 52

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 17-4 STATION NAME ALL LEATHER YEARS 17-4 MONTH 17-4
 CLASS ALL LEATHER HOURS (L.S.T.) 17-4
 CONDITION ALL LEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.0	3.0	1.1	.6	.2						11.0	7.3
NNE	1.0	2.0	2.0	.5	.3							6.1	5.7
NE		.7	1.7	.5								4.0	6.7
ENE		1.1	.2	.5	.2							4.1	7.0
E		1.0	.3									4.0	4.0
ESE		.8	.3									1.0	4.7
SE		2.3	.2	.2								3.7	6.0
SSE		4.7	.8	.2								6.1	5.0
S	.1	4.0	1.4									1.0	4.0
SSW		.7	.6	.2								2.0	5.0
SW		.3	.2	.2								2.0	5.0
WSW		.7	.2	.2								1.0	4.5
W		.8	.5	.3								.5	5.1
WNW		1.5	.4									2.0	5.7
NW		.3	.2									1.0	2.0
NNW	.2	2.0	1.1	.2	.2							4.0	5.3
VARBL													
CALM												57.0	
	10.4	27.3	16.2	4.0	1.2	.2						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 600

ALBUQUERQUE
STAC
METEOROLOGICAL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ALBUQUERQUE STATION NAME ALBUQUERQUE YEARS 77-84 MONTH 10

CLASS ALL WEATHER

CONDITION

MOUSE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.5	2.0	1.5	.8							.5	2.5
NNE		2.2	3.0	.5	.3							1.0	2.3
NE	1.0	.4	.5	.5	.5							4.0	7.1
ENE		1.1	.5	.3								.5	6.0
E		1.3	.5									.5	4.0
ESE		1.2	.5									.5	5.0
SE		2.0	.5									1.2	4.0
SSE		.4	1.4		.2							.5	2.0
S	2.1	3.0	3.0	.2								1.0	1.4
SSW	.1	.5	.5									.5	4.1
SW		.8	.5									1.0	5.7
WSW		.9										1.0	3.5
W		1.0	.2									1.0	4.7
WNW		.5	.2	.3								1.0	7.4
NW		.5	1.1	.2	.2							2.0	7.4
NNW	1.1	3.0	1.4	.5	.2							.5	6.5
VARBL													
CALM													
	13.0	27.1	17.6	4.2	2.0							1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 67

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

77-84

YEARS

ZONE

ALL WEATHER

CLASS

NOVEL (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	2.2	1.7	1.7	1.3	.7						2.2	1.6
NNE	.	2.2	1.7	2.7	.7	.3						1.6	1.6
NE	1.6	.	1.6	.9	.3							.6	7.6
ENE	.	1.6	1.0	.6	.9							4.6	6.7
E	.	2.3	2.3	.6								.6	6.6
ESE	.	2.4	1.2	.3								4.6	6.6
SE	.	2.4	1.4	.1								4.6	6.6
SSE	.	1.3	3.6	1.6	.3							.6	7.6
S	.	.	4.6	1.6								11.6	7.6
SSW	.	1.0	.	.9								.6	6.6
SW	.	.	1.7	.1	.1							2.4	7.6
WSW	.	1.6	1.2	.1	.1							4.6	6.7
W	.	1.6	.7									2.6	6.6
WNW	.	.1	.									.6	7.6
NW	.	.	.6	.4	.3							2.6	6.6
NNW	.	.	1.6	.9	1.3							4.6	11.6
VARBL													
CALM													
	2.2	29.3	31.3	11.6	6.6	1.0						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE
 1. TAC
 2. DATE OF SERVICE/ANAL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION YAGH SAJUT AFB TA YEARS 77-84 MONTH APR

CLASS ALL WEATHER

CONDITION 1 0-140

HOURLS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.1	2.1	1.9	.9	.3						7.1	4.7
NNE	.	1.1	2.7	2.0	.7		.1					7.8	1.4
NE	.1	2.1	1.4	.4	.1							7.4	6.6
ENE	.1	1.7	2.4	.7								7.1	7.7
E	.	3.7	2.0	.6								7.2	6.6
ESE	.	1.1	1.6	1.4								4.3	7.1
SE	.	2.1	2.4	.6								.4	7.4
SSE	1.1	3.2	3.4	1.1	.4							.1	7.7
S	.1	4.0	4.6	1.9								1.1	7.1
SSW	.	.	1.7	.7	.1							7.2	5.0
SW	.1	1.1	1.4	.1	.1							4.0	8.0
WSW	.	1.4	2.1	1.6	.3							6.7	8.5
W	.	1.7	.9	.4								3.7	6.2
WNW	.	1.1	.4									1.0	8.0
NW	.	.5	.6	.6								1.7	8.0
NNW	.	1.1	1.1	.7	.3							5.1	4.7
VARBL													
CALM												10.1	
	7.5	31.2	31.5	15.8	3.0	.3	.1					110.7	7.7

TOTAL NUMBER OF OBSERVATIONS 600

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 11-11-84 BY 1045

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

SAUT A-ALIA

77-84

YEARS

MONTH

ALL WEATHER

11-17-84

NOVEMBER (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.0	4.2	4.3	1.0	.3						11.1	11.3
NNE	.1	2.2	4.9	2.9	.3							12.3	4.0
NE	.1	2.6	4.7	1.3	.4							.3	5.2
ENE	.1	1.0	1.0	.7	.3							3.7	2.4
E	.1	2.3	2.6	.7								3.2	7.1
ESE	.1	2.0	1.7	.6								.1	7.1
SE	.1	2.2	3.2	.6								3.4	7.1
SSE	.1	2.3	3.2	.9								7.1	2.4
S	1.1	2.0	4.0	2.3	.1							10.7	8.1
SSW	.1	1.1	2.0	.6								4.7	7.3
SW	.1	1.3	1.2	.4	.1							3.3	7.6
WSW	.1	1.4	2.0	.6								4.5	7.8
W	.1	1.0	2.0	.3								3.1	7.4
WNW	.1	.1	.6	1.0	.3							2.7	10.1
NW			.7	.6								1.1	10.3
NNW	.1	1.3	1.7	1.9	.3	.3						5.1	10.4
VARBL													
CALM												1.1	
	5.1	25.6	39.3	15.7	2.9	.6						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

100

ALCANTARA, LANCH
STAD
CENT OR SERVICE, MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ALCANTARA, LANCH STATION NAME ALCANTARA, LANCH YEARS 77-84 MONTH ALL
CLASS ALL WEATHER
CONDITION ALL WEATHER
HOURS (L.S.T.) 00-2300

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.5	5.3	4.9	1.1							17.0	10.7
NNE	.1	3.1	4.3	3.6	.7	.3						10.3	1.0
NE	.7	7.1	6.1	2.5	.6	.1						17.0	7.0
ENE	.1	2.4	2.5	.9	.3							10.3	7.0
E	.7	2.5	2.9	1.8	.1							10.3	7.0
ESE	.1	2.4	2.5	.3								10.3	7.0
SE	.1	1.1	1.3	.4								10.3	7.0
SSE	.1	2.7	1.6	.7								10.3	7.0
S	.1	1.5	3.3	1.2	.1							10.3	7.0
SSW		1.1	1.2	.3								10.3	7.0
SW	.1	.0	.3									10.3	7.0
WSW	.1	1.0	.4									10.3	7.0
W	.1	1.3	.7			.1						10.3	7.0
WNW		.1	.4	.3	.4	.1						10.3	7.0
NW	.1	.5	.4	1.0	.1							10.3	7.0
NNW		1.1	1.3	1.2	.3	.1						10.3	7.0
VARBL												10.3	7.0
CALM												10.3	7.0
	1.1	27.5	35.4	10.5	3.8	.9						10.3	7.0

TOTAL NUMBER OF OBSERVATIONS 670

U.S. AIR FORCE
 FORM 0-8-5 (OL-A)
 1 JUL 64

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

77-84

YEARS

MONTH

ALL SEASIDE

CLASS

1.7-2.0
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.	2.7	4.8	2.8	.6							1.1	9.2
NNE	.	2.4	4.2	7.6	.3							10.0	5.0
NE	.1	2.7	5.7	2.8	.4							11.0	9.3
ENE	.7	1.3	4.5	1.0	.4	.1						5.2	5.1
E	.	2.7	2.2	.7	.4							7.0	7.7
ESE	.	2.4	1.3	.4								5.4	6.1
SE	.3	1.7	1.5	.4		.1						4.3	7.4
SSE	.7	2.4	3.1									6.6	6.3
S	.	3.6	3.7	1.2	.1							6.0	7.6
SSW	.	.6	.4									1.1	5.6
SW	.1	.	.1									1.0	5.7
WSW	.1	.	.6	.1								1.5	6.7
W	.	.3	.1	.1								.1	7.0
WNW	.1	.	.3	.1								1.2	6.0
NW	.	.3	.7	.6	.6							2.6	11.0
NNW	.	.9	1.7	.4	.4							4.0	6.4
VARBL													
CALM												13.0	
	7.5	27.2	33.5	14.2	3.4	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

65

AL CLIMATOLOGY BRANCH
 AFSTAC
 STATION DESIGNATION

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION AFSTAC STATION NAME AFSTAC YEARS 77-84 DIRECTION NORTH

CLASS ALL WEATHER

CONDITION

HOURE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.4	3.6	2.5	.6	.2						10.7	5.2
NNE	.7	2.3	3.5	2.1	.5	.1	.0					4.8	5.2
NE	.0	2.1	3.7	1.2	.4	.2						3.4	5.4
ENE	.0	1.6	1.8	.7	.3	.1						4.1	5.1
E	.7	2.4	1.7	.6	.1							3.7	6.7
ESE	.0	2.1	1.7	.4	.0							3.3	6.7
SE	.0	2.2	1.5	.4		.0						4.1	6.7
SSE	.0	.0	2.3	.6	.1							3.1	6.1
S	1.0	3.7	3.6	1.7	.1							3.1	6.9
SSW	.0	.0	.9	.3	.0							2.0	6.7
SW	.7	.0	.7	.1	.1							3.2	6.6
WSW	.0	1.0	1.0	.3	.1							3.4	6.7
W	.0	1.0	.3	.2		.0						2.4	6.5
WNW	.7	.7	.5	.2	.1	.0						1.7	6.0
NW	.0	.5	.7	.4	.1							3.1	6.7
NNW	.0	1.0	1.4	.0	.4	.1						4.1	6.7
VARBL													
CALM												11.3	
	1.0	2.3	28.7	12.1	7.0	.0	.0					110.0	5.4

TOTAL NUMBER OF OBSERVATIONS 5573

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1001 SAGAMI VALLEY STATION NAME 1001 SAGAMI VALLEY YEARS 77-84 MONTH 12

ALL WEATHER CLASS ALL WEATHER HOURS (L.S.T.) 0000-2359

CONDITION ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.4	2.3	2.5	.7							.8	2.0
NNE		1.1	1.9	2.1								.5	1.1
NE	.1	1.7	3.4	1.4								1.0	1.6
ENE	.1	1.4	2.1	1.4	.2							1.0	1.6
E	.1	2.7	3.1	.6	.3							7.3	7.0
ESE	.1	2.3	1.9	.2								5.3	5.1
SE	.1	1.1	.9									4.3	3.0
SSE	1.1	.6	1.7	.2	.2							4.5	3.0
S	.2	4.5	2.4	.3								4.0	3.0
SSW	.1	1.3	.2	.3								1.2	1.0
SW	.1	.2	.3	.2								.1	1.0
WSW	.1	.2	.4		.2							1.3	.3
W	.1	1.1	.5	.2								2.0	1.1
WNW	.1	.5	.5	.2								1.0	1.0
NW	.1	1.1	.1	.2	.2							1.1	1.0
NNW	.1	2.0	1.3	1.4	.5							1.0	7.0
VARBL													
CALM												1.0	
	1.0	31.4	24.7	11.4	1.7							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 840

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14 4 7 A A A STATION NAME 7-24 YEARS 1965-1969 MONTH 01-12
 CLASS ALL DATA ALL
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.1	1.7	.6	.6							1.2	7.1
NNE	.	1.1	2.3	.7	.5							1.1	8.3
NE	.	.2	1.1	.9								1.1	7.7
ENE	.	1.1	.5	.2								1.1	4.4
E	.	2.6	.6	.2								1.1	5.1
ESE	1.2	1.1	1.1	.2								1.2	5.4
SE	.	2.1	1.1	.2	.2							1.1	6.1
SSE	.	2.4	1.2									1.1	5.1
S	1.1	4.4	2.1	.3								1.1	5.1
SSW	.	1.1		.2								1.1	5.1
SW	.	.3	.2									.3	4.1
WSW	.	.5	.3	.2								1.7	6.1
W	1.2	1.4	.3		.2							.3	4.1
WNW	.	.5	.8	.2								1.1	7.7
NW	.	.4	1.1									1.1	5.4
NNW	.	1.1	1.1	1.5	.5	.2						.5	4.1
VARBL													
CALM													
	17.1	26.4	16.4	5.1	1.1	.2						1.1	4.1

TOTAL NUMBER OF OBSERVATIONS 100

CLIMATE LOG

STATION NAME

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

77-84

YEARS

MONTH

ALL WEATHER

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	2.0	1.1	.1							1.0	2.0
NNE	.1	2.0	1.0	1.6	.6							1.0	1.0
NE	.1	1.0	1.0	.7	.3							4.0	0.0
ENE	.1	.0	.4	.1								1.0	0.0
E	.1	1.0	.7	.1								1.0	0.0
ESE	.1	1.0	.0									1.0	1.0
SE		3.1	.1	.1								1.0	1.0
SSE	.2	3.7	2.4	.1								1.0	1.0
S	1.0	4.0	2.4									7.0	5.0
SSW	.1	.4	.4	.1								1.0	0.0
SW	.1	1.0										1.0	3.0
WSW	.2	.1	.4	.1								2.0	4.0
W	.1	.1	.1									1.0	1.0
WNW	.4	.1	1.2	.4								1.0	7.0
NW	.1	2.1	1.0	.1	.1							1.0	5.0
NNW	1.2	3.3	2.4	1.2	.1							1.0	7.0
VARBL													
CALM													
	12.4	27.3	13.9	7.2	1.3							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

65

U.S. AIR FORCE
 TAC
 SERVICE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION SA I ARADIA STATION NAME 77-84 YEARS DAY
 MONTH 10-11
 HOURS (L.S.T.)
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.4	3.1	2.4	1.4							11.1	4.5
NNE	.	2.4	2.1	2.9	.7							8.1	5.4
NE	.	1.	2.1	2.7	.6							8.	10.3
ENE	.7	2.1	1.3	.3	.4	.1						4.7	7.3
E	.	1.1	1.4	.1								.2	1.1
ESE	.	2.	1.1	.3	.1							4.5	6.3
SE	.7	1.4	1.7	.4	.3							7.7	7.1
SSE	.7	4.8	4.2	1.0	.1							1.1	7.2
S	1.7	6.2	4.8	.7	.1							13.	6.4
SSW		1.7	2.0	.1								1.4	7.3
SW	.7	.7	1.4	.9	.1							3.5	9.1
WSW	.1	1.7	1.4	.3								3.4	6.8
W	.1	.	.4	.1								1.0	6.6
WNW			.4	.1								.6	4.5
NW		.1	.3		.3							.7	12.2
NNW		.7	1.7	1.3	.4							5.7	12.6
VARBL													
CALM												14.7	
	5.7	32.7	29.8	12.8	4.6	.1						10.0	6.7

TOTAL NUMBER OF OBSERVATIONS 712

ALL CLIMATOLOGICAL DATA
 STATION NAME
 DATE OF OBSERVATION

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAKE CHARLES, LA 17-64 YEARS 1947-1964
 STATION NAME ALL WEATHER CLASS 1 HOURS (L.S.T.) 1440
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	2.1	2.3	2.1	.6							1.1	5.2
NNE	.4	1.	3.6	1.1	.3	.1						7.1	5.5
NE		1.1	1.5	1.2								4.9	5.6
ENE	.	1.2	1.5	.6								3.7	7.7
E	1.1	2.1	1.7	.4								5.3	6.5
ESE	.	1.	2.	.1								5.7	6.4
SE	.1	1.4	1.7	.8	.1							5.8	6.3
SSE	.1	.0	3.9	1.1	.4							10.1	7.6
S	1.2	.1	5.3	.4								11.1	6.6
SSW	.1	1.7	1.5	.4	.1							7.7	7.6
SW	.	1.1	1.8	.6								4.7	7.4
WSW		1.	1.9	.7	.1							4.7	7.7
W	.	2.5	1.5	1.1								1.	7.4
WNW		.	.4									1.1	5.3
NW	.	.4	.3	.4	.3							1.1	1.6
NNW		.1	1.1	1.4	.3							.1	11.1
VARBL													
CALM												11.1	
	5.	3.1	33.5	12.7	2.8	.1						1.1	4.7

TOTAL NUMBER OF OBSERVATIONS 172

AL CLIMATOLOGY ARCH
 USAFETAC
 WEATHER SERVICE MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION AYALA SG OF A-4:TA YEARS 77-81 DAY 17
 MONTH 7-17
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.1	2.3	2.3	.1							.1	5.1
NNE	.1	2.1	2.4	2.2	.6							.4	5.1
NE	.1	2.2	2.4	1.3								.6	7.5
ENE	.1	1.3	.8									.1	5.4
E	.1	1.1	1.7	.3								.1	7.2
ESE	.1	1.6	3.6	.6								.1	7.7
SE	.1	1.2	1.1	1.4								.4	5.4
SSE	.1	3.3	4.5	.1								.7	7.1
S	.1	3.1	4.1	1.3								11.2	7.1
SSW	.1	1.6	1.7	.3								.1	7.1
SW	.1	1.2	2.0	.4								4.1	7.1
WSW	.1	1.7	2.4	.4	.1							.1	7.4
W	.1	1.9	2.6	.7								.5	7.2
WNW	.1	1.3	1.3	.3	.1							.1	5.1
NW	.1	1.2	1.2	.5	.3							.1	5.1
NNW	.1	1.1	1.4	1.2	.1							.4	7.1
VARBL													
CALM													
	1.7	31.1	37.7	14.5	1.4							100.1	7.1

TOTAL NUMBER OF OBSERVATIONS 1001

ADDITIONAL INFORMATION
 TA
 DATE OF SURVEY

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1704 (AUS) 4-ABJ STATION NAME 17-04 YEARS 1960-1961 MONTH 1-12

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.4	4.5	1.9	.7	.5						11.0	5.4
NNE	.7	2.4	4.4	2.0	.7	.1						11.4	5.4
NE	.7	2.4	5.7	2.0	.3							11.0	7.1
ENE	.7	.7	1.4	.9								2.7	7.1
E	1.7	1.7	3.4	.9								7.1	7.1
ESE	.4	2.4	2.0	.6								6.1	7.1
SE	.7	2.4	2.3									.7	6.7
SSE	1.2	3.6	4.2	.3	.1							6.3	6.7
S	.7	2.0	2.7	.7								7.2	6.7
SSW	.7	.4	.4	.1								1.2	7.1
SW	.7	1.7	.6	.1								.7	6.6
WSW		.7	1.2	.6								2.3	6.6
W	.7	.6	.7	.6	.1	.1						2.6	10.0
WNW	.7	.6	.6	.3								1.6	6.6
NW	.7	.4	.4		.4							1.6	10.1
NNW	.7	1.2	1.0	.8	.1	.1	.1					1.5	10.1
VARBL		.7										.7	6.6
CALM												1.4	
	7.3	24.8	37.1	12.8	2.6	.7	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 133 H NAB, BANBIA STATION NAME 17-24 YEARS 19-20
 CLASS ALL - OTHER
 MONTH 19-20
 HOURS (L.S.T.) 19-20
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	3.1	3.2	2.6	1.2	.7	.1					11.0	10.0
NNE	.1	2.7	3.4	2.2	.4	.1						.7	4.0
NE	.1	2.1	3.1	2.2	.7							12.4	5.0
ENE	.1	1.5	3.4	.6	.2							.2	5.1
E	.1	2.1	3.0	1.9	.3							10.0	5.2
ESE	.1	2.1	1.2	.3								.4	5.0
SE	.1	1.5	1.6	.4								.1	7.1
SSE	.1	3.5	2.2	.3	.1	.1						.1	6.0
S	.1	3.1	3.4		.1							.1	5.1
SSW		.1	.1	.3								.1	5.0
SW	.1		.1									.1	5.0
WSW	.1	.1	.1									.1	4.5
W		.1	.1	.3								.1	5.1
WNW		.1	.1	.1	.1							.1	5.1
NW	.1	1.0	.7	1.1	.3							.4	5.1
NNW	.1	1.1	1.5	.4	.4	.1	.1					.1	1.1
VARBL													
CALM												11.1	
	.5	2.6	33.4	12.6	4.1	.7	.3					10.1	1.1

TOTAL NUMBER OF OBSERVATIONS 100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ALLIANCE YEARS: 17-18 MONTH: ALL
CLASS: ALL HOURS (L.S.T.): ALL
CONDITION: ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.2	7.1	1.1	.6	.1	.					.1	2.2
NNE	.	2.2	2.2	1.5	.5	.1	.					7.1	2.2
NE	.	1.1	3.1	1.5	.2							.1	1.1
ENE	.	1.2	1.5	.6	.1	.						.1	1.2
E	.	2.2	7.1	.6	.1							7.1	7.1
ESE	.	2.2	1.5	.3	.							1.5	1.5
SE	.1	1.1	1.5	.4	.1							.1	1.1
SSE	.1	4.2	3.1	.4	.1	.3						.3	4.2
S	1.1	4.2	3.1	.5	.1							.1	3.1
SSW	.	1.2	.	.2	.							.2	1.2
SW	.	.	.	.3	.6							.6	1.2
WSW	.	1.1	1.1	.3	.1							.1	1.1
W	.	1.3	.	.4	.7	.3						.3	1.3
WNW	.	.5	.6	.2	.6							.6	1.3
NW	.3	.	.	.3	.2							.2	1.3
NNW	.	1.1	1.5	1.4	.4	.1	.					.1	1.1
VARBL		.										.	1.1
CALM													1.1
	.	31.2	20.2	11.2	2.6	.2	.1					11.2	31.2

TOTAL NUMBER OF OBSERVATIONS 455

U.S. AIR FORCE
METEOROLOGICAL SERVICE
AFMPC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 44501 STATION NAME ALABAMA SANDI AFB YEARS 17-24 MONTH JUN
 CLASS ALL-WEATHER HOURS (L.S.T.) 0000-2300
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	3.4	4.2	1.3	.5							11.7	7.0
NNE	1.0	2.1	2.4	.5								3.1	2.7
NE	.	.5	.8	.5								.5	6.0
ENE		1.0	1.1	1.0								3.0	5.0
E	.	1.0	.5	.5								2.1	5.0
ESE	.	.5	.5									2.1	5.1
SE	.	1.0										1.0	4.3
SSE	.	1.0	.2									1.0	5.3
S	.7	1.0	.5									2.2	4.0
SSW		.	.2									.7	6.0
SW	.		.2									.	3.4
WSW	.	.5	.2									1.0	4.0
W	2.0	1.3	.3	.2								4.3	3.0
WNW	1.0	3.5	1.6	.2								.6	5.0
NW	1.0	4.0	3.4	.5								1.0	6.0
NNW	3.1	.2	4.0	1.1								17.0	6.1
VARBL													
CALM												2.0	
	17.4	32.0	21.1	5.9	.5							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS _____

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
OFFICE OF SEA AND COAST SURVEILLANCE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION STATION 0401 & 013A STATION NAME 77-84 YEARS 1977
 CLASS ALL WEATHER MONTH JUL
 CONDITION HOURS (L.S.T.) 00-11

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	1.0	.9	.3							7.4	7.0
NNE	.	.	.6	.3								1.0	1.4
NE	.	.	.									.0	1.0
ENE		.	.	.2								.0	1.0
E		.										.0	4.0
ESE	.	.3										.0	4.0
SE		.	.2									.0	7.0
SSE	.	1.1	.4									.0	5.0
S	1.1	2.0	.8									.0	4.0
SSW		.	.2									.0	6.0
SW	.	.0		.2								.0	6.7
WSW	.	.	.2									1.1	4.0
W	1.0	1.0	1.1	.2								.4	5.0
WNW	1.0	3.0	2.0	.2								7.0	5.4
NW	2.0	4.0	2.0	.3	.2							1.0	5.0
NNW	1.3	1.0	3.3	2.0	.3							1.7	6.4
VARBL													
CALM												41.1	
	14.2	25.2	14.2	4.0	.8							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 64

U.S. AIR FORCE CLIMATE DIVISION
 AFM 7-10.1
 10-10-64

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION AFM 7-10.1 STATION NAME AFM 7-10.1 YEARS 77-84 MONTH 10-12-84
 CLASS ALL WEATHER HOURS (L.S.T.) 10-12-84
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.1	7.2	2.3	.3							4.0	6.3
NNE	.1	.4	1.1	.3	.5							3.3	5.2
NE	.1	.3	.1									1.1	3.4
ENE	.1		.1									.2	1.5
E	.1	.1	.2									1.1	4.0
ESE		.1	.2									.3	1.5
SE		.1										.1	5.0
SSE	.1	.4	.7									1.0	4.5
S	.1	2.2	.3									1.1	4.0
SSW		.1										.1	4.0
SW	.1	.2		.2								.1	6.7
WSW	.1	.1		.1								1.4	4.2
W	.2	2.3	.3	.2								1.0	4.2
WNW	.1	2.2	2.7	.9	.2							7.0	7.4
NW	.1	5.7	4.7	1.1		.2						12.0	6.7
NNW	.4	6.1	5.6	1.6	.2							16.0	6.5
VARBL	.1											.1	3.3
CALM												.1	
	12.0	25.7	18.2	7.2	1.1	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 143

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 17-24 SA 101 A ABIA STATION NAME 17-24 YEARS 17-24 MONTH 17-24
 ALL WEATHER CLASS 17-24 HOURS (L.S.T.) 17-24
 CONDITION 17-24

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	7.6	12.7	2.8							1.0	11.1
NNE	.4	1.0	5.3	4.5	.6	.3						1.0	10.7
NE	.7	1.0	1.3	1.3								.6	6.7
ENE	.7	1.0	.7									.6	6.3
E	.7	1.3	.3	.1								.6	6.0
ESE	.1	.7	.9									1.0	6.6
SE	.7	1.2	.4									1.0	6.1
SSE	.3	1.0	1.3									.6	6.0
S	1.2	2.3	1.3	.4								.6	5.7
SSW	.7	.6	.7									1.0	6.2
SW	.7	.7	.7	.4								.6	7.0
WSW	.7	.7	.4	.1								1.0	6.3
W	.3	.7	.3		.1							1.0	6.4
WNW	.7	.7	.4	.4	.3	.1						1.0	11.0
NW	.1	.7	1.6	1.3	1.5	.4	.1					.6	13.7
NNW	.1	1.0	4.1	4.7	2.2	.1						1.0	11.6
VARBL	.7	.1										.6	6.2
CALM												11.0	
	.1	2.5	26.9	25.4	7.7	1.0	.1					10.0	6.7

TOTAL NUMBER OF OBSERVATIONS 674

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION VIETNAM SOUTHERN STATION NAME VIETNAM SOUTHERN YEARS 77-84 MONTH JUL
 CLASS ALL WEATHER HOURS (L.S.T.) 1-14
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.2	7.3	7.3	5.3	.4						2.8	11.1
NNE	.1	2.1	4.6	4.0	1.6	.1	.1					1.6	10.1
NE	.4	1.6	1.3	1.0								4.7	7.3
ENE	.7	.7	.4	.1	.1							1.0	6.0
E	.1	.7	.7	.3								1.0	7.0
ESE	.7	1.2	.3	.1								1.0	1.0
SE	.7	.7	.1	.1								1.0	1.1
SSE		.4	.7	.1								1.0	1.0
S	.7	1.0	1.6									1.0	6.0
SSW	.1	.7	.4									1.0	6.0
SW	.7	.4	.3	.4								1.0	7.0
WSW	.7	1.6	.4		.1							2.0	5.0
W	.7	.7	1.0	.4	.1							2.0	5.0
WNW	.1	.7	1.2	.7	.3							1.0	5.0
NW	.7	1.2	1.6	2.3	1.9	.6	.4					.7	13.7
NNW	.7	1.6	3.4	.4	2.3	1.3	.1					1.0	13.4
VARBL		.7		.1								.7	1.0
CALM												1.0	
	5.0	17.7	6.1	22.0	11.9	2.5	.7					1.0	7.0

TOTAL NUMBER OF OBSERVATIONS 601

ALC 0114-100000 100000
 100000 100000 100000
 100000 100000 100000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 100000 STATION NAME 100000 YEARS 100000 MONTH 100000
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.1	1.3	3.3	9.2	1.0						11.1	12.2
NNE	.1	2.1	3.5	4.5	.9	.9						11.1	11.1
NE	.1	1.7	2.3	.9								.1	7.7
ENE		.4	.1									1.3	7.0
E		.3	.6	.1								1.3	6.3
ESE		.1	.3									.1	5.1
SE	.1	1.2	.3	.1								1.3	5.4
SSE	.1	.6	.6	.3								1.4	6.1
S	.1	1.2	.3	.4								1.3	6.6
SSW	.1	.1	.6									1.1	6.1
SW	.1	.4	.1	.1								1.1	6.6
WSW	.1	.1	.4									1.1	5.0
W	.1	1.1	.1	.7								1.1	7.1
WNW		.1	.7	.9	1.0	.1						3.1	12.6
NW	.1	.1	2.1	1.9	1.9	1.3	.3					3.1	15.1
NNW	.1	2.3	3.5	7.4	4.1	.9						1.1	13.2
VARBL													
CALM												3.6	
	4.1	13.4	23.1	25.8	16.9	4.2	.3					100.1	11.1

TOTAL NUMBER OF OBSERVATIONS 615

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFMPC
 FORT MONROE, VIRGINIA

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALADD, SAUDI ARABIA YEARS 77-84 MONTH JUL
 STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 1000-2000
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	5.2	12.0	13.3	4.0	.5	.2					34.5	11.5
NNE	.	2.3	7.0	5.7	.4	.2						10.7	1.0
NE	.	.0	7.0	.5								6.0	7.0
ENE		.	2.0	.2								1.1	2.0
E	.	.	.3									1.4	4.0
ESE	.	.	.0									1.0	5.6
SE	.	.	1.0									1.3	5.4
SSE	.	.	.0									1.1	5.3
S		.	.0									.	5.0
SSW	.	.3										.0	4.3
SW		.										.2	5.0
WSW	.	.	.0									.0	5.7
W	.	.0	.0									1.1	5.0
WNW		.	1.4	.3	.5							2.0	1.0
NW	.	.	2.0	1.2	1.7	.3						1.7	12.0
NNW		1.0	4.4	6.7	1.4	.2						14.2	12.1
VARBL													
CALM												5.7	
	2.0	17.0	37.0	26.0	8.4	1.2	.2					118.0	10.0

TOTAL NUMBER OF OBSERVATIONS 100

AL LIMITED
1140
1140 SE 10.6 AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1140 SE 10.6 AC STATION NAME 1140 SE 10.6 AC YEARS 77-84 MONTH JUL
CLASS ALL - LEATHER HOURS (L.S.T.) 12-2300
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	4.4	14.0	3.3	.5	.3						27.7	6.0
NNE	1.3	5.0	9.1	1.5	.6							1.3	7.5
NE	.	2.0	5.7	.2								.	7.0
ENE	.	1.3	1.5	.6	.2							.	7.0
E	.	1.3	.5	.2	.3							1.4	7.0
ESE	.	.	.2									1.7	4.0
SE	.	.5	.3									1.7	4.0
SSE	.	.										.	4.7
S	.	.2	.2									1.7	4.0
SSW	.	.	.2									.	7.3
SW		.	.2									.	4.5
WSW	.	.	.5									1.0	5.5
W	.	.	.5									.	6.0
WNW	.	.	1.1	.2								.	6.0
NW	.	3.0	7.1	1.6	.2							1.3	7.8
NNW	.	3.0	9.3	1.1								13.7	7.7
VARBL													
CALM												.	
	.1	22.1	45.4	6.5	1.7	.3						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 672

U.S. AIR FORCE CLIMATOLOGY BRANCH
AFAC
CLIMATE SERVICE AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION YACU SAUDI ARABIA YEARS 17-84 MONTH JUL
STATION NAME YACU SAUDI ARABIA CLASS ALL WEATHER HOUR (L.S.T.) 12L
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.1	2.1	7.1	6.2	2.9	.3	.7					21.1	11.1
NNE	.	2.1	4.3	2.8	.7	.2	.7					11.1	5.7
NE	.	1.4	2.1	.6								4.3	7.1
ENE	.	.	.0	.2	.7							2.8	7.4
E	.4	.	.3	.2	.0							1.1	6.1
ESE	.	.	.4	.0								1.2	5.1
SE	.7	.	.3	.7								1.1	5.4
SSE	.7	.	.7	.1								1.1	5.7
S	.	1.1	.7	.1								.	5.1
SSW	.1	.4	.7									.	5.7
SW	.	.7	.2	.2								.	6.7
WSW	.	.	.2	.0	.0							1.1	5.1
W	1.1	1.2	.6	.2	.							7.1	5.5
WNW	.	1.6	1.4	.5	.3	.						4.3	7.5
NW	.	2.7	2.7	1.3	.9	.4	.1					7.4	7.7
NNW	1.1	.4	4.6	3.9	1.4	.7	.0					1.6	7.5
VARBL	.	.1	.	.								.2	5.1
CALM												1.1	
	.	25.4	26.5	16.3	6.3	1.2	.2					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 824

ALBUQUERQUE, N.M.
 17-44
 17-44

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ALBUQUERQUE, N.M. 17-44 YEARS 17-44 MONTH JUL

STATION NAME ALBUQUERQUE, N.M. CLASS ALL WEATHER HOURS (L.S.T.) 0000-2300

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.2	3.3	.3								.7	1.2
NNE	.1	2.3	1.4		.2							.2	1.0
NE	.1	1.4	1.1	.3								.1	1.0
ENE		1.1	.1	.2								.1	1.0
E	.1	.4	.7	.3								.7	1.0
ESE	.1	.5	.3	.2								.3	1.0
SE	.1	.1	.2									1.2	4.4
SSE	.1		.1									1.7	2.3
S	.1	.1	.7	.2								1.0	2.3
SSW	.1	.1										.1	1.0
SW		.1										.1	4.0
WSW	.1	.3										1.1	1.0
W	.1	2.4	7.3	.2								1.4	2.7
WNW	.1	4.5	2.3	.3								.1	1.6
NW	1.0	4.4	3.6	.9		.2						1.0	6.0
NNW	.1	3.6	7.7	2.7								1.9	6.0
VARBL													
CALM												2.5	
	11.3	24.6	25.2	5.3	.2	.2						1.0	4.0

TOTAL NUMBER OF OBSERVATIONS 15

U.S. CLIMATE BUREAU
 DTAC
 EAST ASIA SERVICE/AL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME SAIGON YEARS 17-24 MONTH JUL
 CLASS ALL WEATHER
 CONDITION
 HOURS (L & T)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.0	.1	.9								4.0	1.0
NNE	1.7	.1	.4									1.0	4.0
NE	.1	.7	.1	.1								1.0	5.0
ENE													
E			.1									.4	5.3
ESE	.1		.4		.1							.2	4.0
SE		.1	.1									.1	4.0
SSE	.1	.7	.1									1.0	4.0
S	.1	1.3	.1									2.0	4.0
SSW	.1	.1										.1	3.0
SW	.1		.1									.1	5.0
WSW	.1	.7	.1	.1								1.0	6.1
W	2.0	1.0	1.0	.4								3.1	5.0
WNW	.1	3.0	1.0	.4	.1							.1	5.0
NW	1.7	5.0	4.0	.9								11.0	5.0
NNW	.1	4.7	6.0	1.9								15.0	6.7
VARBL													
CALM												0.4	
	17.2	20.0	17.2	4.0	.3							15.0	5.0

TOTAL NUMBER OF OBSERVATIONS 610

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER
CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.3	2.5	1.2	.5							.5	7.4
NNE	.0	.0	.0	.5	.2							2.3	1.7
NE	.0	.0	.3									.1	4.0
ENE	.0											.0	1.0
E	.0	.2										.0	3.0
ESE		.0	.0									.0	0.7
SE	.0	.3	.0									.0	0.8
SSE	.0	1.1	.2									1.7	4.0
S	.0	1.8	.3									.0	0.0
SSW	.0	.0										.0	0.0
SW	.0	.0										1.0	3.0
WSW	.0	.0	.0	.2								2.0	0.0
W	1.0	.0	1.0	.5	.2							2.4	0.0
WNW	.0	2.6	1.4	.0	.2							.0	7.0
NW	.0	.1	2.0	1.4		.2						1.0	0.1
NNW	.0	0.6	5.4	2.4	.2							1.4	1.0
VARBL													
CALM												72.0	
	1.0	26.9	15.6	8.0	1.1	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE
 AF CLIMATOLOGY CENTER
 AF-TAC
 WEATHER SERVICE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION AF-TAC STATION NAME AF-TAC YEARS 07-09 MONTH 07
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.) 07-11

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	4.2	5.2	5.7	3.8	.6	.4					24.1	11.7
NNE	.	2.1	2.7	2.0	2.1	.3	.1					1.0	11.7
NE	.	.1	1.1	.7								.1	7.0
ENE	.	.	.1	.1								.3	1.0
E	.	.	.									1.0	5.0
ESE	.	.	.1									1.0	5.0
SE	.1	.										.1	4.0
SSE	.	1.1	.1	.3								.1	5.0
S	.	1.1	.7	.3								3.0	10.0
SSW	.	.1	.1									.7	5.4
SW	.1	.	.1									.1	4.7
WSW	.	1.1		.1								1.0	5.0
W	.1	1.0	1.4	.1								3.0	10.0
WNW	.1	.	.6	1.6	1.0	.5						1.0	10.7
NW	.	1.0	2.4	2.7	1.6	1.3						.	12.0
NNW	.	2.7	3.7	.1	1.6	.4						17.0	10.7
VARBL													
CALM												1.0	
	.1	22.1	21.6	23.7	4.2	2.0	.6					1.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 100-100-100 STATION NAME ALL-SECTOR YEARS 27-44 MONTH ALL

CLASS ALL

CONDITION ALL

HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.7	4.3	7.3	7.3	1.1	.1	.1				1.1	1.1
NNE	.	1.7	3.1	2.9	1.6	.3	.1					1.1	1.1
NE	.	1.1	2.7	.6	.7							.	1.1
ENE	.3	1.1	.1	.5	.3							1.1	1.1
E	.	1.1	.1	.1								1.1	1.1
ESE	.1	1.7	.1	.4								1.1	1.1
SE	.1	.	.1	.1								1.1	1.1
SSE	.	.4	.3									1.1	1.1
S	.	.	.4	.1								1.1	1.1
SSW	.	.	.1									1.1	1.1
SW	.1	.	.1									1.1	1.1
WSW	.	1.1	.7									1.1	1.1
W	.	1.1	.7	1.1	.1							1.1	1.1
WNW	.	.7	1.1	1.5	.3	.3	.1					1.1	1.1
NW	.	1.1	2.4	2.2	.1	1.5						1.1	1.1
NNW	.	.1	4.1	4.1	1.1	.4						1.1	1.1
VARBL	.	.	.1	.1								1.1	1.1
CALM												.	1.1
		22.4	23.1	22.7	11.1	4.4	.4	.1				1.1	1.1

TOTAL NUMBER OF OBSERVATIONS 72

U.S. AIR FORCE
 CLIMATE DIVISION
 WASHINGTON, D.C. 20330

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME YAN-PA-11 A ASIA YEARS 77-84 MONTH JUL
 STATION AL CLASS 1 HOURS (L.S.T.) 0-17
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.1	1.5	1.7	1.6	1.7						24.1	13.2
NNE	.1	2.3	3.1	1.4	2.7	1.2						11.1	12.1
NE	.1	1.1	1.1	.6	.3		.1					4.5	6.4
ENE	.1	1.1	1.0									.1	1.0
E	.1	.1	.6	.7	.1							2.1	3.3
ESE	.1	.3	.4	.7								1.1	2.1
SE	.1	.1										.1	.1
SSE	.1	.1	.7									.1	.1
S	.1	.1	.1	.1								1.1	1.1
SSW	.1	.3	.1									.1	1.1
SW	.1	.1	.1									.1	1.1
WSW	.1	1.0	.7	.3								2.1	3.9
W	.1	2.7	1.0	1.0	.4							5.1	6.1
WNW	.1	1.7	1.1	.4	1.5	.3						7.1	11.1
NW	.1	1.7	2.1	4.2	2.7	1.4	.3					11.1	14.1
NNW	.1	1.1	4.0	7.6	3.2	1.0						17.1	12.1
VARBL													
CALM													
	4.1	17.2	23.7	27.3	15.0	4.3	.4					100.1	11.1

TOTAL NUMBER OF OBSERVATIONS 111

ALCANTARA WAVE
STATION
PORT OF SPAIN

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ALCANTARA WAVE STATION NAME PORT OF SPAIN YEARS 77-84 MONTH JUL
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-2359
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	4.2	14.7	1.4	3.9	.3						2.4	10.7
NNE	.2	.2	6.3	2.6	.7	.3						1.3	7.9
NE		.1	3.7	.4	.1							.3	6.8
ENE		1.3	1.2	.3								.3	5.6
E		1.7	.6		.1							.1	5.7
ESE		.3	.3									.1	5.2
SE		.1	.1									.4	6.3
SSE		.4	.1									.7	4.8
S		.1	.3									.7	5.4
SSW													
SW		.4	.1										5.3
WSW		.3		.1									6.3
W		1.2	.4	.3									5.4
WNW			1.7	1.6	1.1	.3						.8	11.8
NW		1.0	3.3	5.0	1.7	.4						1.1	11.8
NNW		1.2	6.1	4.1	1.4	.3						1.4	11.5
VARBL													
CALM													
	.1	1.2	3.4	3.5	9.1	1.5						10.2	5.7

TOTAL NUMBER OF OBSERVATIONS 842

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANOGRAPHIC SERVICE
WATER SURFACE SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALYADH SAUDI ARABIA STATION NAME 17-84 YEARS JUL
MONTH 1984-2100
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	4.7	13.4	3.2	.2							22.3	6.2
NNE	.1	.4	5.3	.8	.2							12.4	6.1
NE	.1	3.3	3.5	.8								8.7	7.1
ENE	.1	1.5	.9	.6								4.2	6.2
E	.1	1.4	1.2	.3								4.1	6.1
ESE	.1	.1	.3									1.5	5.7
SE	.1		.2									.1	4.5
SSE	.1	.5										.1	4.0
S	.1	.6	.3	2								1.4	6.1
SSW	.1											.1	3.1
SW		.1	.2									.1	3.5
WSW	.1	.5										.1	4.4
W	.1	2.4	.1	.2								3.1	5.1
WNW	.1	1.4	3.5	.3								5.6	7.3
NW	.1	3.2	3.6	2.3	.3							8.8	8.3
NNW	.1	4.1	11.9	1.4								1.7	7.9
VARBL													
CALM												.1	
	7.4	31.2	44.3	9.8	.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 63

AD CLIMATE DIVISION
 STATE
 FATHER SERVICE, MA

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION STYBLO SANDI HAVIA STATION NAME 17-E4 YEARS JUL
 ALL WEATHER CLASS ALL
 CONDITION NUMBER (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.3	6.6	5.3	2.1	.5	.1	.0				1.9	1.7
NNE	.	2.0	3.0	1.7	.9	.2	.0					.5	1.0
NE	.	1.5	1.5	.4	.1		.0					.5	1.0
ENE	.4	.	.7	.2	.							.5	1.0
E	.1	.	.7	.2	.							.5	1.0
ESE	.	.5	.3	.1	.0							1.0	1.0
SE	.	.4	.1	.								.5	1.0
SSE	.	.5	.1	.								1.0	1.0
S	.	1.0	.2	.1								1.0	1.0
SSW	.	.2	.1									.5	1.0
SW	.	.2	.1									.5	1.0
WSW	.	.	.2	.1								1.0	1.0
W	1.1	2.0	1.2	.5	.1							.5	1.0
WNW	1.0	1.0	1.7	1.1	.6	.1	.0					.5	1.0
NW	1.2	3.0	3.1	2.4	.	.0	.0					11.2	9.7
NNW	1.0	3.4	6.3	.9	1.2	.3						10.7	9.4
VARBL	.	.	.7	.7								.1	10.0
CALM												10.0	
	1.1	2.4	6.3	15.1	6.1	1.2	.2	.0				10.0	7.4

TOTAL NUMBER OF OBSERVATIONS 544

U.S. AIR FORCE
 AFMPC
 AFMPC SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1701 STATION NAME CAMP ARABIA YEARS 77-84 MONTH 01
 CLASS ALL PLATON
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.0	3.5	.3	.8	.2						10.0	7.4
NNE	.	3.0	2.4	.3	.2							7.7	6.6
NE	.	1.7	.5	.2								.	5.4
ENE	.	1.3	1.4									7.3	6.0
E	.	1.4	.5									7.7	4.9
ESE	.	.										.	4.7
SE	.	.3	.2									1.0	5.0
SSE	.	.3	.2									.	4.0
S	.	1.1										2.1	3.0
SSW	.	.2										.	3.0
SW													
WSW	.	.										.4	3.7
W	.1	1.4	.5									3.0	4.1
WNW	1.0	1.0	.5									3.0	4.3
NW	2.0	4.3	4.4	.2								11.2	5.4
NNW	3.3	.2	7.3	.5								14.3	5.9
VARBL	.											.	3.0
CALM												20.1	
	17.6	30.3	22.0	1.0	.9	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 173

CLIMATE DIVISION
 STATION
 DATE OF SURVEY

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ATASHA CANYON ALASKA YEARS 77-84 MONTH ALL

STATION NAME ALL WEATHER CLASS ALL WEATHER

CONDITION ALL WEATHER

DATE 1987-08-01 HOURS (L.S.T.) 0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.5	1.5	.4								2.5	2.4
NNE	.1	.6	.9	.9								2.5	2.1
NE		.1										.1	2.0
ENE		.7	.1									.7	3.7
E	.1	.3										.7	4.0
ESE	.1	.4										.7	3.4
SE		.1										.1	4.5
SSE	.7		.1									.1	3.0
S	.3	.5										1.2	4.1
SSW													
SW	.1											.1	3.0
WSW	.1		.1									.1	3.0
W	.1	1.0	1.1									4.7	4.1
WNW	.2	3.3	.3									3.0	4.2
NW	.1	5.5	3.6	.1								11.3	5.0
NNW	.4	.2	6.4	.4								11.4	5.0
VARBL													
CALM												43.0	
	17.4	22.8	14.1	1.9								112.0	4.0

TOTAL NUMBER OF OBSERVATIONS 674

JOINT CLIMATE CENTER
AFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	NORTH
77-84	YAGH SAUDI ARABIA		
ALL WEATHER			
CLASS			
CONDITION			
HOURS (L.S.T.)			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N		2.6	1.1	.5								7.4	5.7
NNE	1.1	.5	1.4	.5	.5							1.2	5.1
NE		.5	.3									.5	5.1
ENE		.5	.7									.5	5.3
E	.5	.7	.7									.5	4.7
ESE	.5	.7										.5	3.1
SE		.7										.3	5.1
SSE		.5										.5	5.1
S		.5	.7									1.2	5.3
SSW													
SW	.5											.5	3.1
WSW	.5											.5	5.1
W	.5	1.3	.7		.7							4.5	5.1
WNW	1.5	2.3		.7								4.5	4.6
NW	1.5	6.9	3.7	.6								15.6	5.5
NNW	.7	.4	5.1	1.5								22.2	5.1
VARBL													
CALM												76.1	
	1.1	28.5	14.1	5.4	.6							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 64

U.S. AIR FORCE
 1957
 14-00000-1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14A SAMARAGUA STATION NAME 77-84 YEARS 1957-1958 MONTH 10-11
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	4.4	7.0	9.0	3.7	.3						25.2	11.1
NNE	1.7	4.7	6.4	4.4	.9	.4						17.0	9.0
NE	.1	2.4	1.9	.5								1.3	6.0
ENE	.1	1.7	1.6	.3								.7	6.7
E	1.1	1.7	.9	.1								4.0	4.0
ESE	.1	1.3	1.3									2.7	5.3
SE	.1	.4	.3									1.1	4.0
SSE		.1	.7	.1								1.0	9.1
S	.1	2.0	.7	.4								4.0	6.3
SSW	.1	.1										.2	3.0
SW	.1	.3										.4	3.3
WSW	.1	.1										.2	6.0
W	.1	.1										.2	3.2
WNW	.1	.4	.4	.1								1.0	6.1
NW	.1	.1	1.1	1.6	.1							4.0	9.1
NNW	1.1	1.7	3.0	3.3	.6							9.7	9.7
VARBL													
CALM												11.6	
	11.2	21.6	25.5	2.1	5.3	.7						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 676

U.S. AIR FORCE
METEOROLOGICAL SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: AL QADISIYAH, SAUDI ARABIA YEARS: 17-84 MONTH: ALL
STATION NAME: ALL WEATHER CLASS: 100-1400
CONDITION: HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.0	5.2	7.9	4.5	1.0						24.2	11.6
NNE	.1	4.2	5.6	4.6	1.4	.4						17.0	5.9
NE	.1	4.0	1.7	1.6	.1							.1	7.5
ENE	.1	.6	1.6	.1								.1	6.6
E	.1	1.3	1.0									.3	5.5
ESE	.1	.6	.7	.1								1.7	6.0
SE	.1	.7	.6									1.7	5.3
SSE	.1	1.3	.1	.1								.1	5.6
S	.2	1.2	.4	.1								.1	5.3
SSW	.1	.3										.1	4.3
SW	.1	.3										.1	4.3
WSW		1.0	.1									1.4	5.2
W		.1	.4									1.1	5.5
WNW	.1	.4	.3	.4								1.4	7.4
NW	.1	1.0	1.0	1.1	.3	.1						7.7	12.0
NNW	.1	2.0	3.7	4.3	2.2	.3						1.1	11.7
VARBL		.1										.1	.1
CALM												1.0	
	.6	24.2	22.5	2.5	9.4	1.9						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 84

AT CLIMATE...
 THE
 AT THE...
 AT THE...

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 17-84 STATION NAME SAINT ANITA YEARS 17-84 MONTH 17-17

ALL WEATHER

CLAS

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.6	.5	.6	.9	.3					.7	1.1
NNE	.1	.0	.5	.2	.9	.1						.1	1.1
NE	.1	.1	.2	.6	.3							.7	1.1
ENE		.1	.4	.1								.3	1.1
E	.7	.2	.9									.2	1.1
ESE	.1	.4	.4									.1	1.1
SE	.1	.6	.3									.1	1.1
SSE	.1	.3	.1									.7	1.1
S	.1	.3										.6	1.1
SSW	.1	.1										.6	1.1
SW	.1	.1										.7	1.1
WSW	.1	.1	.1									.7	1.1
W	.1	.2	.4	.1								.6	1.1
WNW	.1	.1	.1	.1	.1							.1	1.1
NW	.1	.1	.2	.3	.4							.1	1.1
NNW	.1	.1	.4	.5	.3	.1						.2	1.1
VARBL	.1											.1	1.1
CALM												.2	1.1
	.7	1.3	4.2	2.3	1.3	3.1	.3					100.0	1.1

TOTAL NUMBER OF OBSERVATIONS 67

ALL CLIMATOLOGY DATA
 DTAC
 WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAKE MEAD, ARIZONA STATION NAME LAKE MEAD YEARS 77-84 MONTH 10-11
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-2300
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	3.0	17.1	11.4	3.6	.9	.1					27.4	11.2
NNE	.0	4.0	11.0	4.0	.9							22.0	6.2
NE	.0	3.0	6.4	.0								1.0	7.0
ENE	.0	2.2	1.4									1.1	8.8
E	.0	.7	.4	.1	.1							1.2	6.6
ESE	.0	.0	.0									.0	6.0
SE	.1	.0	.0									1.2	1.0
SSE	.0		.0									.0	6.0
S													
SSW													
SW		.0										.1	6.0
WSW		.0	.1									.7	6.2
W	.0	.0	.4									1.4	6.0
WNW		.0	.0	.6								1.4	8.0
NW	.0	1.0	1.2	.4								2.6	6.0
NNW		.0	2.0	4.2	1.4							7.6	11.0
VARBL													
CALM												.0	
	4.1	1.3	42.2	22.3	6.1	.9	.1					10.0	7.1

TOTAL NUMBER OF OBSERVATIONS 6

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION FAIRFAX COUNTY AIRPORT STATION NAME FAIRFAX COUNTY AIRPORT YEARS 77-84 MONTH ALL MONTHS

CLASS ALL WEATHER

CONDITION

HOURS (L.S.T.) 1200

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	12.4	1.4	.3	.5						2.2	7.7
NNE	.7	.7	15.4	.5	.2							2.2	7.7
NE	.	2.1	3.	.5								2.7	7.7
ENE	.	2.1	1.7	.2								.2	7.7
E	.7	1.7	2.3									4.1	7.7
ESE	.	.7										.7	7.7
SE	.	.	.2									.7	7.7
SSE	.	.2		.2								.7	7.7
S	.	.2										.7	7.7
SSW	.												7.7
SW	.	.2										.	7.7
WSW	.		.7									.	7.7
W	.	.5	.3	.2								1.	7.7
WNW	.	1.7	.2									.7	7.7
NW	.	1.7	1.7	.2								.1	7.7
NNW	.	.1	.9	1.1								1.4	7.7
VARBL													
CALM												7.7	
	1.4	34.1	47.6	4.7	.5	.5						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 100

U.S. AIR FORCE
 AIRCRAFT SERVICE AREA

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WABO CAMP, ARABIA STATION NAME WABO CAMP, ARABIA YEARS 17-19 MONTH ALL
 CLASS ALL
 CONDITION ALL
 HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.4	7.0	5.4	2.4	.0	.1					20.3	10.0
NNE	.	1.0	6.3	2.6	.9	.1						14.4	5.0
NE	.	2.1	2.0	.5	.1							.4	7.0
ENE	.	1.0	1.0	.1								.	1.0
E	.	1.0	.0	.0	.0							.0	1.0
ESE	.	.0	.4	.1								.1	.5
SE	.	.0	.2									.0	1.0
SSE	.	.0	.3	.1								.0	.5
S	.	.0	.0	.1								.0	.5
SSW	.	.1										.0	.5
SW	.	.2										.0	.5
WSW	.	.3	.1									.7	4.0
W	.1	1.0	.0	.0	.0							.0	4.0
WNW	.	1.2	.4	.0	.							.7	5.7
NW	1.0	1.7	2.3	.8	.1	.0						7.4	6.0
NNW	1.0	4.0	5.1	2.9	.9	.2						14.3	6.0
VARBL	.	.1										.1	.0
CALM												1.0	.0
	11.0	24.0	26.6	13.0	4.4	.2	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 120

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION NAME YEARS 11-24

ALL DATA CLASS NORTH

CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.2	.2	.3								1.0
NNE	1.0	3.0	.2	.2									1.0
NE	.0	2.0	1.0	.2									1.0
ENE	1.1	2.2	2.0	.2									1.0
E	1.2	1.2	1.7										1.0
ESE	.0	.0											1.0
SE	.0	.0	.6										1.0
SSE	.0	2.7	.2										1.0
S	.0	.0	.0										1.0
SSW													
SW	.0	.0											1.0
WSW	.0	.0											1.0
W	1.0	.0											1.0
WNW	1.0	.0	.0										1.0
NW	.0	.0	1.1	.2	.2								1.0
NNW	.1	4.7	2.0	.2	.2								1.0
VARBL													
CALM													
	1.7	28.7	12.4	.9	.6							104.0	1.0

TOTAL NUMBER OF OBSERVATIONS 104

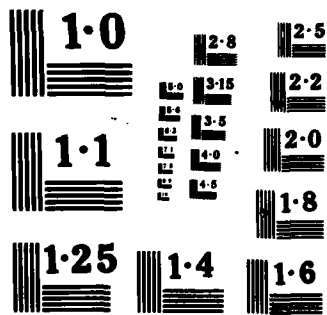
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JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION YASIN SAUDI ARABIA STATION NAME 77-84 YEARS 1977-1984 MONTH 0100-7000
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.2	.5	.3								4.1	4.7
NNE	.	.8	.2									1.0	4.5
NE	.	.9	.2									1.7	4.5
ENE	.	.8	.2									1.4	4.3
E	.	.8	.3									.7	5.0
ESE	.	.	.2									.0	4.7
SE	.	.5										.0	3.7
SSE	.	1.1										1.7	3.9
S	1.0	2.7	.3									4.4	4.3
SSW	.	.										.2	2.5
SW	.	.										.2	4.0
WSW	.	.3										.4	3.2
W	2.0	.5										2.5	3.1
WNW	1.0	.2	.3									1.7	3.9
NW	2.0	3.6	.8	.2	.2							7.4	4.5
NNW	3.2	4.7	2.4	1.1								11.4	5.7
VARBL													
CALM												5.1	
	17.4	10.5	5.2	1.6	.2							10.0	2.0

TOTAL NUMBER OF OBSERVATIONS 673

ALCUM TERRY HANCH
STAT
WEATHER SERVICE AL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ALCUM TERRY HANCH STATION NAME ALCUM TERRY HANCH YEARS 77-84 MONTH 12
CLASS ALL WEATHER HOURS (L.S.T.) 0000-2400
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.2	1.3	.5								6.1	3.1
NNE	1.0	1.4	.7									1.0	4.7
NE	.7	.6	.2	.2								1.1	6.3
ENE	.7	.2	.7									.6	6.3
E	.7	.3	.4									1.1	5.1
ESE	.7											.7	2.0
SE	.7	.2										.2	4.5
SSE	.7	.7										.6	4.7
S	1.1	2.0	.3									4.3	4.4
SSW	.7	.2										.7	2.0
SW	.7	.7										.7	3.0
WSW	.7	.7										1.0	5.4
W	.7	1.1										1.1	3.3
WNW	2.0	1.7	.2									1.0	3.0
NW	2.7	3.3	1.0	.6								4.5	5.7
NNW	1.1	.5	1.7	.5								11.0	4.5
VARBL													
CALM												51.0	
	14.6	20.3	7.1	1.7								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 631

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ROYAL SANDI ARABIA STATION NAME 77-P4 YEARS 1960-1961
 MONTH 10-11
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.4	3.0	3.7	.7	.1						12.6	4.0
NNE	1.0	3.4	4.9	2.2								11.6	7.6
NE	.1	2.5	1.3	.1								4.3	6.4
ENE	.1	1.0	.4									1.2	5.7
E	.1	1.2	.3	.1								2.6	4.0
ESE	.1	1.2	.1									1.0	4.0
SE	.1	1.3	.3									.6	4.5
SSE	.1	.1	.6									.2	5.1
S	2.1	5.0	3.3	1.7								16.2	6.1
SSW	.1	1.2	.7									2.1	5.4
SW	.1	.7	.9									2.2	5.4
WSW	1.2	1.0	.3									2.5	4.0
W	.1	.6										1.0	3.4
WNW	.1											.4	3.0
NW	1.2	.1	.3	.4								2.0	5.9
NNW	.1	2.7	1.5	.7		.1						5.3	7.3
VARBL													
CALM												2.7	
	12.2	3.3	18.2	8.5	.7	.3						10.0	4.0

TOTAL NUMBER OF OBSERVATIONS 67

U.S. CLIMATOLOGICAL SERVICE
 UNITED STATES DEPARTMENT OF COMMERCE
 NATIONAL SERVICE CLIMATE

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION STATION SA 1 ANAPIA YEARS 77-84 MONTH SEP
 STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 1407-1410
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.4	3.4	2.7	1.2	.1						11.7	4.4
NNE	.4	4.5	5.7	5.3	1.3							15.4	5.3
NE	.4	3.4	3.1	1.5	.1							8.4	7.0
ENE	.4	2.8	2.4	.4								5.2	6.7
E	1.4	1.5	2.2	.1								5.1	5.6
ESE	.4	1.2	.4									2.1	3.4
SE	.4	2.4	.3									2.1	5.0
SSE	.4	2.3	.9									4.3	5.0
S	.7	3.3	2.1	.6								7.3	6.1
SSW	.4	.7	.4									1.7	4.7
SW	.1	.4	.7	.3	.1							1.7	6.1
WSW	.4	1.6	.3	.3								2.7	5.8
W	.4	.9		.1								1.7	5.1
WNW	.4	.4	.1									.7	5.2
NW	.4	.5	.1	.3	.1							1.5	6.0
NNW	.4	1.3	1.3	1.5	.1							4.5	4.6
VARBL		.1	.1									.3	0.0
CALM												14.7	
	11.7	31.4	24.1	11.1	3.1	.1						100.0	6.74

TOTAL NUMBER OF OBSERVATIONS 674

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFMTC
 WEATHER SERVICE/NAO

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALYAN SAUDI ARABIA YEARS 77-94 MONTH 10-11
 CLASS ALL WEATHER HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.2	1.1	5.2	1.6	.1						10.1	10.6
NNE	1.2	4.4	5.6	5.3	2.1	.4						17.0	10.4
NE	.7	4.0	7.5	2.8	.9							17.6	8.8
ENE	.7	2.5	2.5	.6	.1							10.0	7.1
E	.7	2.4	3.2	.6	.1							6.0	7.7
ESE	.7	3.2	1.5	.1								1.6	5.7
SE	.7	1.2	1.2									2.0	6.6
SSE	.7	1.9	1.0	.1								3.0	5.7
S	.7	1.2	.9									1.0	5.0
SSW	.1	.1	.3									.0	6.3
SW		.7										.7	4.6
WSW		.7	.4									.7	6.7
W	.7	.7	.3									1.2	4.0
WNW		.1	.4									.0	8.0
NW		.6	1.0	.4	.1							2.2	9.6
NNW	.7	1.2	1.5	1.0	.7	.1						5.4	9.3
VARBL	.1											.1	3.0
CALM												10.0	
	1.2	26.5	33.0	16.2	5.7	.7						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 67

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION SYDNEY SA DI ARABIA YEARS 17-84 MONTH NORTH

CLASS ALL WEATHER

CONDITION

HOURS (L.S.T.) 1000-2000

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.	3.5	7.0	3.5	.3	.2						1.2	9.0
NNE	.3	1.1	11.5	4.3								2.1	6.5
NE	.	4.0	8.5	1.5	.2							1.0	7.8
ENE	.	3.5	3.4									7.0	6.3
E	1.0	4.1	2.3									7.0	5.3
ESE	1.0	2.0	.9									4.0	4.0
SE	1.0	1.2	.7									4.0	4.5
SSE	.	2.7	.7									4.0	3.4
S	.	1.1	.5									1.3	4.7
SSW			.7	.2								.7	11.0
SW	.											.	3.0
WSW	.	.2	.3									.	5.4
W		.7										.	4.0
WNW	.	.2	.2									.7	5.7
NW	.	.3										.7	3.7
NNW		.7	1.1	.3	.3							2.0	10.2
VARBL													
CALM												11.0	
	1.5	2.8	37.7	9.8	.8	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 500

U.S. AIR FORCE
 WEATHER SERVICE
 AFMTCAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION DIYADH SANDI AMBIA YEARS 77-84 MONTH 100-200

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	5.1	.4	.1							1.1	0.1
NNE	1.0	11.2	7.9	.4								1.1	0.1
NE	.1	1.3	6.3	.3	.1							1.1	0.1
ENE	1.0	4.5	2.3	.6								1.1	0.1
E	.1	1.3	1.7									1.1	0.1
ESE	.1	1.0	.5									1.1	0.1
SE	.1	1.0	.7	.3								1.1	0.1
SSE	1.0	1.0	.7									1.1	0.1
S	.1	3.1	.7									1.1	0.1
SSW		.1	.1									1.1	0.1
SW	.1											1.1	0.1
WSW		.1										1.1	0.1
W	.1	.4	.3									1.1	0.1
WNW		.1										1.1	0.1
NW	.1	.1	.1									1.1	0.1
NNW	.1	1.7	1.7	.4								1.1	0.1
VARBL												1.1	0.1
CALM												1.1	0.1
	11.0	42.4	27.7	2.5	.3							1.1	0.1

TOTAL NUMBER OF OBSERVATIONS 157

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		ALL
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.1	3.7	0.1	0.6	0.1						1.0	0.3
NNE	1.0	4.5	4.9	2.0	0.4	0.1						1.0	0.3
NE	0.7	2.1	3.6	0.9	0.2							0.4	7.4
ENE	0.7	2.3	1.6	0.2	0.0							0.1	0.3
E	0.7	1.3	1.5	0.1	0.0							4.4	5.4
ESE	0.7	1.3	0.5	0.0								0.3	5.1
SE	0.7	1.0	0.5	0.0								0.1	5.2
SSE	0.7	2.1	0.5	0.0								0.4	4.7
S	1.0	3.2	1.0	0.2								0.6	5.1
SSW	0.7	0.3	0.2	0.0								0.1	5.3
SW	0.7	0.4	0.2	0.0	0.0							0.1	5.7
WSW	0.7	0.6	0.2	0.0								1.0	4.0
W	1.0	0.6	0.1	0.0								1.0	3.7
WNW	0.7	0.4	0.2									1.0	4.1
NW	1.0	1.6	0.7	0.3	0.1							0.1	0.0
NNW	1.0	2.7	1.6	0.7	0.2	0.3						6.0	0.5
VARBL	0.7	0.1	0.0									0.1	0.3
CALM												2.0	
	13.0	28.7	40.9	0.7	1.5	0.2						1.0	4.7

TOTAL NUMBER OF OBSERVATIONS 1,456

U.S. AIR FORCE CLIMATE DIVISION
AFETAC
ATLANTA, GEORGIA

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ATLANTA, GEORGIA YEARS 77-84 MONTH ALL
STATION NAME ATLANTA, GEORGIA CLASS ALL WEATHER
CONDITION ALL WEATHER
HOURS (L.S.T.) 00-2400

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.1	2.4	.8	.2							4.6	7.1
NNE	.	1.0	1.5	1.7	.3							3.2	5.3
NE	.	1.0	.8	1.1								3.2	4.1
ENE	.	1.0	1.4	.3								3.1	6.7
E	.	.2	.6	.2								2.4	5.7
ESE	.	.3	.3									1.2	4.3
SE	.	.	.5									1.4	3.4
SSE	.2	3.7	1.4	.2								5.5	4.8
S	4.0	3.7	.3									8.1	3.7
SSW			.3									.2	1.6
SW													
WSW	.											.1	2.6
W	1.1	.4	.2									1.7	3.5
WNW	.	.4										1.2	3.5
NW	.1	2.4	.3									4.8	4.1
NNW	2.3	3.7	1.6									7.7	4.8
VARBL													
CALM												43.7	
	1.0	22.2	11.9	3.5	.5							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 71

U.S. CLIMATE DATA
 YEAR
 STATION NAME

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION SAUDI ARABIA 77-84 YEARS MONTH
 CLASS ALL WEATHER HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.3	.5	.6	.2							.3	2.1
NNE	.	.1	.3	.2								.2	1.1
NE	.	1.1	.5	.2								.3	3.1
ENE	.	.3	.3									1.4	4.7
E	.	.5	.3									1.5	4.1
ESE	.	.5	.5									1.2	4.6
SE	.	.5	.2									.7	4.7
SSE	.	2.1	.4									5.7	4.1
S	1.1	3.1	1.2									1.1	4.2
SSW		.1										.3	5.1
SW		.	.2									.3	1.1
WSW	.	.3	.3									1.1	4.4
W	1.1	.3										1.4	3.1
WNW	1.2	.5										1.7	3.3
NW	.3	2.5	.4	.2								5.1	4.5
NNW	.4	1.7	1.1									1.1	3.4
VARBL													
CALM												52.4	
	1.3	1.6	7.9	1.1	.2							16.7	2.2

TOTAL NUMBER OF OBSERVATIONS 646

U.S. AIR FORCE
TAC
FATHER SERVICE A.C.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION YEMBUH SAHAT ARABIA YEARS 77-84 MONTH ALL

STATION NAME ALL WEATHER CLASS ALL WEATHER HOURS (L.S.T.) 0000-2359

CONDITION ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.7	0.8	0.9	0.2							0.0	0.4
NNE	0	1.0	0.5	0.2								0.0	0.1
NE	0	0	0									0.0	0.0
ENE	0	0.5	0.2									0.0	0.0
E	0	0.3	0.3									0.0	0.0
ESE	0	0.2	0.3									0.0	0.0
SE	0	1.3	0.3									0.0	0.0
SSE	1.0	1.0	0.2	0.2								0.0	0.1
S	0.0	0.0	0.0									0.0	0.0
SSW	0	0										0.0	0.0
SW	0											0.0	0.0
WSW	0	0.2										0.0	0.0
W	0	0										0.0	0.0
WNW	1.0	0.0										0.0	0.0
NW	0	0.0										0.0	0.0
NNW	0.0	0.1	0.2									0.0	0.0
VARBL													
CALM													
	1.0	21.3	7.4	1.1	0.2							10.0	0.0

TOTAL NUMBER OF OBSERVATIONS 0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 77-84 STATION NAME ALL WEATHER YEARS 77-84 MONTH 77-84
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	2.0	1.0	.1							1.0	1.0
NNE		1.0	2.0	.0	.1							1.0	1.0
NE		1.0	2.0									1.0	1.0
ENE		1.0	.0									1.0	1.0
E	1.1	1.0	.0									1.0	1.0
ESE		1.0	.4									1.0	1.0
SE		2.7	1.0									1.0	1.0
SSE		.2	3.3	.7								1.0	1.0
S	1.0	1.6	6.0	.4	.1							1.0	1.0
SSW	.1	2.2	.1	.1								1.0	1.0
SW		.0	.4		.1							1.0	1.0
WSW	1.0	.0	.7	.7								1.0	1.0
W		1.0	.0	.3								1.0	1.0
WNW		.1										1.0	1.0
NW	.0	.4	.3									1.0	1.0
NNW	1.1	2.0	.7	.1								1.0	1.0
VARBL												1.0	1.0
CALM												1.0	1.0
	1.0	32.0	22.4	4.7	.6							1.0	4.0

TOTAL NUMBER OF OBSERVATIONS 600

CLIMATE CLIMATOLOGY BRANCH
 WEATHER SERVICE/PHAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION DIYASH SAUDI APABIA YEARS 77-84

STATION NAME ALL WEATHER CLASS ALL WEATHER

CONDITION ALL WEATHER

DATE 01-14-80 HOURS (L.S.T.) 01-14-80

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	2.4	2.4	.3							1.9	6.4
NNE	1.1	3.7	4.1	1.4	.1							1.8	7.8
NE	.7	2.3	1.7	.3								4.0	6.0
ENE	.7	3.0	.3									3.0	6.4
E	.7	2.4	1.1	.1								4.5	5.3
ESE	.7	2.4	.7									1.4	5.1
SE	.7	3.7	1.4	.1								1.4	5.0
SSE	.7	4.1	4.3	.6								.0	6.3
S	2.0	7.2	8.1	1.0								1.9	6.6
SSW	.7	1.4	.4	.1								2.0	5.3
SW	.7	1.0	1.4	.4								2.0	7.4
WSW	.7	1.1	1.4	.1								1.1	6.7
W	.7	2.0	.4	.1								2.0	5.0
WNW	.7	.1	.1									.7	3.8
NW	.7		.1	.1	.3							1.0	8.9
NNW	.7	1.1	1.3	.6	.3							3.0	3.3
VARBL													
CALM												1.0	
	11.0	36.0	30.1	7.4	1.0							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 704

U.S. CLIMATE DATA CENTER
 5200
 FORT LEE SERVICE ROAD

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
1000	LAKE SANDY AREA	77-84	10
ALL WEATHER			10-1700
CLASS			NOVOS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.3	3.5	4.2	.3							11.3	8.6
NNE	1.1	2.5	5.4	3.1								12.3	8.3
NE	.1	3.6	7.9	.6								7.9	6.5
ENE	.	2.5	2.5									5.6	5.1
E	1.2	2.0	2.3									6.4	7.7
ESE	.	2.9	1.0									5.6	5.7
SE	1.1	2.0	2.7	.6								5.6	6.2
SSE	1.1	4.6	3.1	.1								9.7	5.0
S	.1	4.2	3.0	.1								4.1	6.4
SSW	.1	.7	.1									1.3	4.3
SW	.1	1.3	.7									1.3	5.7
WSW	.1	1.3	.7	.1								2.1	5.9
W	.	1.2	.1									1.1	4.5
WNW	.1	.1										.7	3.5
NW	.1	.4	.3	.1								1.1	6.4
NNW	.1	1.0	2.2	.6	.3							4.4	6.6
VARBL													
CALM												9.9	
	11.1	36.5	31.7	9.6	.6							170.9	6.2

TOTAL NUMBER OF OBSERVATIONS 604

U.S. AIR FORCE CLIMATOLOGY BRANCH
AFETAC
U.S. WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ROYAL SAUDI ARABIA YEARS 77-84 MONTH ALL
STATION NAME ALL WEATHER CLASS 100-2000
CONDITION HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	3.3	7.0	.4	.4							.7	7.7
NNE	.0	4.5	6.6	2.4	.4							14.5	.4
NE	1.0	4.2	3.7	.1								9.2	.2
ENE	.0	4.0	2.7									6.4	.0
E	2.0	5.1	1.3									7.8	4.0
ESE	1.0	5.0	1.3									.2	.0
SE	1.0	3.6	2.2									7.0	3.4
SSE	2.1	4.0	1.6	.1								7.7	3.0
S	.0	1.0	.7	.1								7.4	5.1
SSW	.0	.3		.1								.1	4.3
SW	.0	.0										.4	5.5
WSW	.0	.6	.1									1.0	4.7
W	.0	.1		.1								1.0	4.1
WNW			.1									.1	4.0
NW			.0									.3	3.5
NNW	.0	.0	1.0									2.0	6.1
VARBL													
CALM												15.7	
	13.0	41.0	26.1	3.6	.9							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 67

ALCANTARA, SAO PAULO

TAO

STATION SERVICE NO.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ALCANTARA, SAO PAULO 77-84 YEARS MONTH NOV

CLASS ALL-WEATHER HOURS (L.S.T.) 1100-2000

CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	.1	3.2	2.8	.3								.8	4.3
NNE	.1	4.5	3.9	1.1	1.1							1.6	6.4
NE	.1	1.6	3.2	.9								1.6	5.5
ENE	.1	2.9	1.4	.6								.8	6.3
E	1.0	4.7	1.1	.3								1.0	5.0
ESE	.1	1.4	.6	.2								2.7	5.6
SE	1.1	2.4	1.7									1.2	5.4
SSE	2.7	5.5	2.4	.3								18.5	5.1
S	.1	3.5	.3									6.7	4.2
SSW	.1	.3	.2									.3	4.6
SW	.1	.2										.3	4.0
WSW	.1	.1										.3	3.5
W	.1	.2										.3	3.0
WNW		.1										.3	4.3
NW	.1	.7	.8									1.7	6.2
NNW	1.1	1.5	1.2									4.4	4.9
VARBL													
CALM												24.3	
	17.1	30.8	19.3	3.5	1.1							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 650

U.S. AIR FORCE CLIMATOLOGY BRANCH
 WETAC
 U.S. WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION SAUDI ARABIA YEAR 77-84 CT
 STATION NAME ALL WEATHER NORTH
 CLASS ALL
 CONDITION NOVRS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.0	1.5	.2							.1	7.6
NNE	1.0	2.0	3.2	1.3	.3							.1	7.8
NE	.	2.6	2.0	.4								.6	.1
ENE	.	3.6	1.2	.1								2.4	1.0
E	1.0	3.4	1.0	.1								4.0	1.0
ESE	.	1.9	.8	.0								.3	3.0
SE	.	2.3	1.2	.1								1.4	1.0
SSE	1.0	4.0	2.3	.3								.	1.0
S	1.0	4.7	2.0	.2	.0							.7	3.7
SSW	.1	.7	.1	.1								1.0	4.7
SW	.1	.5	.3	.0	.0							1.1	1.0
WSW	.	.6	.4	.1								1.0	3.7
W	.	.4	.1	.1								.0	4.0
WNW	.	.7	.1									.	1.0
NW	1.1	1.0	.4	.1	.0							.0	4.7
NNW	1.2	2.2	1.5	.2	.1							.1	1.3
VARBL												.5	
CALM													
	11.2	31.2	19.9	4.4	.6							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 1

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
FAT 1-2 SURF WIND

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
		77-84	
ALL WEATHER			100-0200
CLASS			NOBS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	2.4	.5								2.2	3.6
NNE	.1	1.1	2.3	.6	.9							1.3	2.7
NE	.1	1.1	1.4	.2								1.7	2.3
ENE	.1	.5	.4	.3								1.0	2.0
E	.1	1.2	.5	.2								1.7	3.7
ESE	.1	1.2	.5									1.0	3.0
SE	.1	3.4	.5									1.0	4.7
SSE	2.4	5.1	2.4	.7								11.6	5.0
S	.1	7.1	.4									1.0	4.4
SSW		.1										.1	4.5
SW	.1											.1	3.1
WSW	.1	.2										.1	3.1
W	.1											.1	2.1
WNW	.1	.1	.2									1.0	4.1
NW	.1	1.1	.3									.1	4.1
NNW	1.1	2.1	2.1	.2								1.3	5.0
VARBL													
CALM													
	1.3	30.1	13.0	2.6	.9							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 656

U.S. AIR FORCE
AFAC
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: YAK SAUDI ARABIA YEARS: 77-84 MONTH: NOV
CLASS: ALL WEATHER HOURS (L.S.T.): 00-1500
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.7	4.4	.6								.9	7.1
NNE	.1	1.1	1.7	.6								.1	7.3
NE	.3	.	.5									1.1	7.9
ENE	.	.7	.3	.3								.	7.1
E	.	.5	1.1									2.4	5.1
ESE	.	.3	.3									1.1	5.6
SE	1.1	2.7	.2									.3	4.1
SSE	1.1	.4	.4									.3	4.9
S	.2	.7	1.1									.7	4.3
SSW	.	.2	.									.	2.7
SW	.	.	.2									.1	5.7
WSW	.1	.3										.1	3.3
W	.	.5	.2									1.1	3.6
WNW	.	.2	.2									1.4	3.8
NW	1.1	2.4	.2									.3	4.5
NNW	1.3	3.7	1.6									.6	5.0
VARBL													
CALM												4.5	
	12.1	27.5	12.6	1.7								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 107

AL CLIMATOLOGY AREA
TAG
EST IN SERVICE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION RIYAL, SAUDI ARABIA STATION NAME 77-64 YEARS 1960-1969 MONTH 1960-1969

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.1	3.2	.5								1.8	6.7
NNE	.	1.5	2.7	.9	.2							5.1	7.7
NE	.	.9	.									2.1	4.1
ENE	.	.5	.6									1.1	4.1
E	.	.9	.5	.3								1.1	6.4
ESE	.	.6	.5	.2								1.1	8.1
SE	.	1.4	.2									2.5	4.5
SSE	1.2	.9	1.7									7.7	5.1
S	1.1	5.5	1.9									1.4	5.1
SSW													
SW	.											.1	3.1
WSW	.	.3										.1	7.3
W	.		.7									.1	3.4
WNW	.	.6	.7									1.7	4.1
NW	1.1	1.5	.5									3.1	4.7
NNW	1.1	3.1	1.7	.7								7.1	5.3
VARBL													
CALM												47.4	
	12.4	26.7	15.3	1.8	.2							100.0	

TOTAL NUMBER OF OBSERVATIONS 650

U.S. AIR FORCE
 WEATHER SERVICE
 FORM 54-54

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 77-84 STATION NAME ALL WEATHER YEARS 19-1960
 CLASS 10-1100
 CONDITION 10-1100

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	1.0	2.0	3.0	2.3								1.0	6.2
NNE	1.0	2.3	4.0	1.7	.6							1.0	5.6
NE		2.3	1.7	.8								1.0	6.7
ENE	.1	1.0	1.0	.4								1.0	3.0
E		1.0	.7	.1								1.0	6.1
ESE		.7	1.4	.4								2.0	7.8
SE	.0	2.2	1.0									1.0	5.7
SSE	1.0	3.5	4.5	1.0	.1							11.2	7.2
S	1.4	.7	5.5	.6								11.1	6.1
SSW	.2	1.7	1.7	.1								1.3	5.4
SW	.1	.7	.7	.1								1.7	6.7
WSW		.7	.7	.1								1.7	5.6
W		.6	.3	.1								1.3	5.9
WNW		.7	.1									.7	4.4
NW	.7	.7	.4									1.0	5.4
NNW	.7	1.2	.7	.7	.1							3.5	7.5
VARBL													
CALM												1.0	
	11.0	31.0	29.3	5.8	.9							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 6-4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ALABAMA STATION NAME ALABAMA YEARS 77-84 MONTH 12

ALL EA CLAS 10-14

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	3.3	1.3	.4							1.4	6.5
NNE	.7	3.1	3.4	1.6	.4	.1						1.3	.2
NE	.7	1.1	2.1	.3								1.3	7.5
ENE	.4	1.2	.7	.1								1.2	6.1
E	.1	1.7	1.9	.1								1.4	6.6
ESE	.7	1.5	1.4	.4								1.2	6.5
SE	.1	3.3	1.7	.4	.1							1.2	6.1
SSE	.1	4.1	4.8	2.6	.4							1.4	8.5
S	1.1	1.4	7.5	1.6	.1							1.1	7.2
SSW	.1	1.9	1.3									1.1	5.5
SW	.1	1.7	1.7	.1								1.2	6.6
WSW	.1	1.1	1.4	.6	.1							1.1	6.1
W	.1	1.4	.4									1.1	5.6
WNW	.1	.1	.3									.7	4.7
NW	.1	.1	1.6									1.1	7.1
NNW	.1	.7	1.6	.7	.3							1.3	5.2
VARBL													
CALM												10.5	
	1.4	33.7	36.2	9.6	2.0	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 621

U.S. CLIMATOLOGY AND
METEOROLOGICAL
WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION SAID AL HABIA YEARS 77-84 MONTH 1-12-1984
STATION NAME CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	2.4	1.5	.1	.1						5.7	9.9
NNE	.1	2.4	4.6	2.3	.6							10.1	9.1
NE	.1	2.4	2.5	.6	.1							7.0	6.1
ENE	.3	1.1	2.0	.1								4.4	6.5
E	1.1	2.5	2.5	.3								7.1	6.1
ESE	1.2	4.5	1.1	.1								7.7	6.6
SE	.1	4.4	4.6	.3								11.0	6.1
SSE	1.2	3.1	5.7	1.5	.1							11.1	7.4
S	1.1	3.3	4.4	.5								11.1	6.1
SSW	.1	1.0	.4									1.5	5.2
SW	.1	1.6	1.5	.1								3.7	6.2
WSW	.1	2.3	1.1									3.7	5.6
W	.1	1.2	.4	.1								1.7	5.0
WNW		.1										.1	6.5
NW		.1	.1	.3								1.5	6.2
NNW		.1	2.2	1.3								3.9	10.1
VARBL													
CALM												7.4	
	1.1	34.3	37.1	8.9	1.0	.1						100.1	6.9

TOTAL NUMBER OF OBSERVATIONS 611

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION LAKE CHARLES, LA STATION NAME LAKE CHARLES YEARS 17-84 MONTH ALL
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	3.6	2.5	1.2	.4	.2						.4	2.3
NNE	.1	2.0	5.7	1.8	.1	.1						1.0	4.0
NE	.1	3.4	4.1	.6	.3							.4	7.0
ENE	.1	2.4	2.1	.6								.5	7.0
E	1.0	3.1	2.4									7.0	6.0
ESE	2.1	7.5	.9									1.0	4.7
SE	.2	.4	2.8	.3	.1							1.0	5.0
SSE	.1	.1	2.2	.3								1.0	5.0
S	.1	4.1	.1									7.5	4.1
SSW		.1										.5	5.0
SW	.1	.1	.1									.5	5.0
WSW		.1										.5	4.7
W	.1	.4										.5	4.0
WNW	.1	.1										.5	4.0
NW	.1	.4	.1	.1								.5	7.0
NNW		1.0	.4	.4								.5	7.0
VARBL													
CALM												12.0	
	12.0	43.0	24.0	5.4	1.0	.4						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 64

U.S. AIR FORCE
 AFMPC
 METEOROLOGICAL SERVICE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION AFMPC STATION NAME AFMPC YEARS 77-84 NORTH 10-10
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-2400
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.3	.5	1.0							.7	3.4
NNE	.1	1.2	5.0	1.0	.4	.1						11.1	4.1
NE	.1	3.0	3.7	.9								.7	7.1
ENE	.1	1.3	1.4	.3	.1							7.0	2.6
E	.1	2.2	1.7									4.0	5.7
ESE	.1	2.1	2.0									.7	2.7
SE	1.0	4.3	1.7									1.2	4.4
SSE	.2	.1	2.5	.6								1.5	2.6
S	.2	6.6	1.3									1.0	4.0
SSW	.1											.7	2.7
SW	.1											.4	3.0
WSW	.1		.1									.1	1.0
W	.1											.1	3.0
WNW	.1	.1										.1	3.0
NW	.1	.1	.4									1.0	5.0
NNW	.1	.4	.3	.6	.1							1.0	4.0
VARBL													
CALM												21.0	
	1.0	34.5	24.2	3.9	1.7	.1						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 1000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 77-69 STATION NAME ALL WEATHER YEARS 1964 MONTH ALL
CLASS ALL HOURS (L.S.T.) ALL
CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.7	4.7	1.1	.2	.1						.0	7.0
NNE	.0	2.7	4.7	1.1	.4	.1						.0	7.0
NE	.0	2.1	7.2	.4	.1							.0	7.0
ENE	.0	1.4	1.1	.1	.0							.1	7.0
E	.0	1.0	1.0	.1								.0	7.0
ESE	.0	2.0	1.0	.1								.4	5.7
SE	.1	3.5	1.7	.1	.0							.0	5.7
SSE	1.0	2.2	2.1	.0	.1							11.0	5.7
S	.3	5.0	2.0	.4	.2							11.0	5.7
SSW	.0	.0	.4	.0								1.0	5.1
SW	.0	.0	.0	.1								1.0	5.1
WSW	.0	.0	.0	.1	.2							1.0	5.1
W	.0	.0	.0	.0								1.1	4.0
WNW	.0	.0	.1									.0	4.1
NW	.0	.0	.0	.1								.1	5.5
NNW	.0	1.0	1.0	.5	.1							.2	6.0
VARBL													
CALM													
	11.0	32.0	24.4	.4	1.0	.1						11.0	4.0

TOTAL NUMBER OF OBSERVATIONS 157

JOINT CLIMATOLOGY BRANCH
 AFMTC
 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION YAHN SAGGI APABIA YEARS 77-84 MONTH 06
 STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 000-2359
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	4.4	2.0	1.0	.1	.1						11.3	6.6
NNE	.7	2.0	.7	.6	.1							4.2	6.4
NE	.0	2.0	.7	.1								3.3	5.7
ENE	.1	.7										.7	4.7
E	.0	.6	.3	.1								1.0	4.3
ESE	.0	.7	.3									1.0	4.2
SE	.0	2.3	1.2									3.4	5.4
SSE	2.3	4.0	3.3	.6								11.2	6.4
S	7.0	5.4	2.5	.3								15.1	4.0
SSW	.1											.1	3.0
SW													
WSW	.0	.3										.7	3.0
W	.0											.1	3.0
WNW	.0	1.0										1.7	3.0
NW	1.0	1.5	.0	.1	.1	.1						4.1	6.1
NNW	2.0	4.8	1.7	.7	.6	.1						10.0	6.4
VARBL													
CALM												11.2	
	1.0	30.7	14.5	3.6	1.0	.4						10.0	

TOTAL NUMBER OF OBSERVATIONS 6-8

ALL WEATHER
STATION
STATION NAME

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

17-54

YEARS

DATE

ALL WEATHER

CLASS

17-0000

NOV 55 (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.5	1.4	1.3								1.1	4.3
NNE	.	1.9	.5	.2								.4	5.3
NE	.	1.1	.2									1.5	4.0
ENE	.	.5	.2									.7	5.0
E	.	.6										1.0	3.5
ESE	.2	.3	.3	.2								1.4	6.0
SE	.	.9	.6									2.0	4.0
SSE	1.0	5.4	1.9									.5	5.1
S	.1	4.1	2.7									4.9	4.0
SSW	.	.5										.1	4.0
SW	.	.2										.2	3.5
WSW	.	.3	.2		.2							.5	6.7
W	1.0	.6										2.2	2.7
WNW	.	1.5	.3									.3	4.7
NW	1.0	2.3	.6	.2								.5	4.7
NNW	.2	5.2	1.7	.6	.5							1.0	5.0
VARBL												3.0	
CALM													
	1.07	50.0	10.6	2.3	.6							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

614

U.S. AIR FORCE
 CLIMATE DIVISION
 WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION RESEARCH SAULT APACIA YEARS 77-84 MONTH DEC
 CLASS ALL WEATHER HOURS (L.S.T.) 00-1500
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.5	7.9	1.4								1.9	2.6
NNE	.	1.2	.5	.6								.4	5.1
NE	.	1.2	.5									.1	5.7
ENE	.	1.5	.2									.1	4.4
E	.	.5	.6									.	4.6
ESE	.	.2	.5									1.2	5.1
SE	.	1.1	1.2									.3	5.7
SSE	1.5	4.4	2.7									1.4	5.6
S	.3	4.1	2.7	.2	.2							.7	5.1
SSW	.	.	.3									1.2	5.1
SW	.	.5		.2								.7	5.7
WSW	1.2	1.4	.2									1.7	3.5
W	.	.7	.2									1.5	4.4
WNW	1.2	3.3	2.3	.5								7.3	6.2
NW	2.1	3.7	2.4	.6	.5							1.1	6.5
NNW													
VARBL													
CALM												3.1	
	1.5	2.4	17.2	3.3	.5							10.6	3.5

TOTAL NUMBER OF OBSERVATIONS 160

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

ALL-WEATHER
CLASS

15-11
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	1.1	2.4	2.0	0.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.2
NE	0.0	2.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	6.3
ENE	0.0	1.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
E	0.0	1.7	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
ESE	0.0	1.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7
SE	0.0	2.0	2.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9
SSE	1.4	4.0	6.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	7.2
S	1.5	0.0	4.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	6.4
SSW	0.0	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5
SW	0.0	1.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	5.4
WSW	0.0	0.8	0.3	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.4	7.5
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.5
WNW	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2
NW	0.0	1.1	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3
NNW	1.0	1.5	3.7	1.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2
VARBL													
CALM												1.1	
	10.7	32.5	29.3	10.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0	100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

710

U.S. AIR FORCE
AFSC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION AL JILF STATION NAME AL JILF SAUDI ARABIA YEARS 77-84 MONTH DEC
 CLASS ALL WEATHER
 CONDITION 100-1400
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.1	.4	3.8	1.5							18.4	10.4
NNE	.1	3.6	3.2	1.7	.4							10.9	7.0
NE	.1	2.6	.6	.1								3.4	5.7
ENE	.1	.1	.7									1.5	5.7
E	.1	1.5	.5									2.1	4.7
ESE	.1	1.1	1.4	.1								2.6	7.0
SE	.1	1.4	2.4	.3	.4							.1	6.4
SSE	1.1	4.5	7.8	1.2	.3							11.2	7.0
S	1.1	6.1	8.5	1.1	.3							17.4	7.2
SSW	.1	2.3	1.3	.3								3.9	6.7
SW	.1	1.1	1.4	.3								.1	7.2
WSW	.1	1.7	1.4	.7	.1							4.0	7.2
W	.1	.1	.1	.1								1.3	5.1
WNW	.1	.1	.1									.1	5.1
NW	.1	.4	.7	.3								1.5	6.2
NNW	.1	1.7	2.9	1.4	.1							6.7	8.6
VARBL													
CALM													
	.1	31.4	32.7	11.6	3.2							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 117

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 77-44 STATION NAME 77-44 YEARS 1940-1941 MONTH 10-17
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.7	7.7	1.0	.6							1.5	4.7
NNE	.0	3.0	4.0	2.0								1.0	7.0
NE	.0	1.0	1.7	.1								3.0	6.7
ENE	.0	2.0	.3	.1								1.2	5.0
E	.0	1.4	.7									2.0	5.3
ESE	.1	3.0	2.2									1.0	5.0
SE	.0	3.0	2.0	.3								7.0	6.1
SSE	.0	3.9	7.3	3.2								10.1	6.3
S	.0	1.4	5.6	1.4	.1							11.0	7.4
SSW	.0	.5										1.4	4.3
SW	.1	1.7	1.5									7.4	6.2
WSW	.0	1.4	1.7		.1							2.0	6.0
W	.0	1.4	.4	.1								2.0	5.5
WNW			.1									.1	7.0
NW		.1	.6	.5								1.4	10.3
NNW		.1	1.7	1.7	.1							3.0	11.0
VARBL													
CALM												5.4	
	.3	32.0	37.8	14.5	1.2							1.2	1.1

TOTAL NUMBER OF OBSERVATIONS 710

AL CLIMATELOGY BRANCH
 AFAC
 WEATHER SERVICE/AL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
AFAC	AFAC	77-84	DEC
ALL WEATHER			1980-2000
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	4.6	7.3	2.5	1.0	.1	.1					14.4	5.7
NNE	.	4.6	6.3	1.1								12.2	4.0
NE	.	2.6	2.7	.3								7.3	3.0
ENE	.	1.4	1.1									2.7	0.3
E	1.0	3.2	.7									4.9	4.1
ESE	1.0	2.0	.5									.8	0.3
SE	1.0	3.3	1.3	.1	.3							.1	5.7
SSE	.1	6.0	1.2	.4								1.1	0.3
S	1.0	2.2	1.7	.7								.2	0.4
SSW	.	.3										.4	4.3
SW	.	.4	.1									1.0	4.3
WSW	.	.1										.0	3.0
W	.	.4										1.1	3.0
WNW	.		.1									.7	4.5
NW		.	.4									.7	6.2
NNW	.	1.3	2.1	.3								1.2	7.4
VARBL													
CALM												12.1	
	14.0	35.8	29.6	5.9	1.3	.1	.1					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 71

AL CLIMATE DATA CENTER
 1960
 1961

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ALFAH SAUDI ARABIA STATION NAME 77-64 YEARS 1960-1961

ALL WEATHER CLASS 100-22 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.2	6.2	1.4	.3	.1						11.4	7.4
NNE	1.0	1.4	4.1	.9	.1							4.4	1.6
NE	.1	1.1	2.4	.4								4.0	1.6
ENE	.1	1.3	1.3									2.7	1.6
E	1.0	2.2	1.3									4.5	1.6
ESE	.1	1.1	.1	.1								1.4	1.4
SE	1.1	1.1	2.1	.1	.1							2.4	1.3
SSE	2.0	6.3	4.5	.8								14.1	1.6
S	2.0	4.5	4.3	.1								11.9	1.6
SSW	.1		.1									.3	1.6
SW				.1								.1	1.0
WSW	.1											.1	2.0
W	.1	.1										.1	4.6
WNW	.1	.1										.1	3.0
NW	.1	1.1	.1									.1	1.6
NNW	.1	2.2	1.1	.6	.4							4.0	1.6
VARBL													
CALM												20.3	
	17.0	31.1	29.3	4.6	1.0	.1						110.0	1.6

TOTAL NUMBER OF OBSERVATIONS 714

CLIMATE DATA
 STATION
 DATA SERVICE 7-80

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL-WEATHER		ALL
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.3	4.4	2.5	.7	.1	.0					17.0	1.4
NNE	.	1.1	2.0	.9	.1							7.7	7.1
NE	.	2.0	1.2	.2								.1	6.0
ENE	.	1.2	.5	.0								.0	5.7
E	.	1.0	.5	.1								.0	5.0
ESE	.	1.0	1.1	.1								2.2	5.0
SE	.	2.3	1.0	.1	.1							1.3	6.3
SSE	.	.1	4.7	1.2	.0							17.1	6.7
S	.1	4.7	4.1	.5	.1							11.0	5.0
SSW	.	.5	.2	.1								1.0	5.7
SW	.1	.0	.5	.1								1.4	6.1
WSW	.	.5	.4	.2	.1							1.5	6.0
W	.	.0	.1	.0								1.0	4.0
WNW	.	.5	.1									.0	4.0
NW	.	1.3	.0	.0	.0	.0						1.1	6.0
NNW	1.0	2.4	2.2	1.0	.3	.0						7.2	7.4
VARBL													
CALM												.0	
	17.1	31.5	26.4	7.1	1.4	.1	.0					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 7500

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LA LIA ARIA STATION NAME LA LIA ARIA YEARS 77-84 NORTH ALL

CLASS ALL WEATHER

CONDITION

HOURLS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.7	4.4	2.9	1.1	.2	.0	.0				12.5	9.1
NNE	.0	2.7	3.7	1.8	.5	.1	.0					7.0	8.7
NE	.0	2.7	2.2	.6	.1	.0	.0					.4	7.4
ENE	.0	1.3	1.1	.3	.1	.0						.0	6.0
E	.0	1.0	1.2	.2	.0	.0						.0	6.0
ESE	.0	1.3	.0	.2	.0	.1						.0	6.0
SE	.0	1.9	1.3	.2	.0	.2						.0	6.2
SSE	1.0	1.1	2.6	.6	.1	.0						7.4	5.7
S	1.0	3.7	2.3	.6	.1	.0						7.0	6.4
SSW	.0	.6	.4	.1	.0							1.2	6.1
SW	.0	.6	.4	.1	.0							1.2	6.3
WSW	.0	.7	.5	.1	.0	.1						1.7	6.4
W	.0	.9	.5	.2	.0	.0						2.4	6.1
WNW	.0	.3	.5	.2	.1	.0	.0					2.2	7.1
NW	.0	1.0	1.3	.6	.2	.1	.0					.5	8.1
NNW	.1	2.5	2.7	1.6	.5	.1	.0					.6	8.5
VARBL	.0	.0	.7	.0								.0	5.5
CALM												21.0	
	1.0	28.1	26.6	17.4	2.9	.5	.1	.0				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 63939

ALL CLIMATE DATA ARE
 FROM THE
 SURFACE STATION LOG

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
77-64	SAUDI ARABIA	77-84	ALL
INSTRUMENT			
CLASS			
CIG 00 TO 1400 FT w/ VSBY 1/2 MI OR MORE			
CONDITION			
AV 200 VSBY 1/2 TO 2-1/2 MI w/ CIG 200 FT OR MORE			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.1	4.2	1.6	4.8	1.3	.3	.1				10.5	14.1
NNE	.	1.7	2.6	4.1	2.8	.6	.1					10.7	13.3
NE	.	1.1	1.9	1.2	.7							4.1	11.6
ENE	.	1.1	.7	.5	.4	.1						1.8	8.2
E	.	1.1	.7	.3	.2							2.1	7.7
ESE	.	1.3	.6	.3	.0	.						3.3	7.4
SE	.	.	.0	.4	.2							2.7	6.5
SSE	.	1.3	1.0	1.3	.6	.						.5	6.1
S	.	1.7	2.3	1.2	.4	.						6.1	6.9
SSW	.	.	.7	.1	.0							.1	7.1
SW	.	.	.3	.5	.2							1.7	6.7
WSW	.	.	.0	.0	.3							.3	10.8
W	.	.	.1	.7	.1	.1						2.4	6.9
WNW	.	.	.7	.5	.4	.1	.0					1.1	10.7
NW	.	1.1	2.2	1.4	1.5	1.2	.2					10.1	13.1
NNW	.	1.0	3.4	2.7	1.8	.9	.3					11.7	12.1
VARBL		.										.	.
CALM												12.4	
	1.5	17.6	23.3	21.4	14.5	4.7	1.0	.1				10.0	11.1

TOTAL NUMBER OF OBSERVATIONS 107

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CEILING VERSUS VISIBILITY

PART 3

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling," versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and the tables are presented by month and available 3-hour groups.

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the 10 mi visibility category should be used with great caution.

For overseas civilian stations reporting "CAVOK", all ceilings greater than 5,000 feet are suppressed into the 5,000 foot ceiling class.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404730 STATION NAME: PLYAON SAUDI APARIA

PERIOD OF RECORD: 77-84
MONTH: JAN HOURS(LST): 0300-0500

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CELL	1	31.9	34.1	37.8	39.5	36.6	39.6	39.3	39.3	39.7	39.7	40.0	40.2	40.2	40.2	40.2	40.2
GE	20000	32.6	35.2	38.8	39.5	39.7	39.7	40.4	40.4	40.7	40.7	41.1	41.2	41.2	41.2	41.2	41.2
GE	18000	32.6	35.2	38.8	39.5	39.7	39.7	40.4	40.4	40.7	40.7	41.1	41.2	41.2	41.2	41.2	41.2
GE	16000	32.6	35.2	38.8	39.5	39.7	39.7	40.4	40.4	40.7	40.7	41.1	41.2	41.2	41.2	41.2	41.2
GE	14000	32.6	35.2	38.8	39.5	39.7	39.7	40.4	40.4	40.7	40.7	41.1	41.2	41.2	41.2	41.2	41.2
GE	12000	33.4	36.0	39.7	40.4	40.6	40.6	41.2	41.2	41.6	41.6	41.9	42.1	42.1	42.1	42.1	42.1
GE	10000	37.1	39.9	44.0	44.7	45.1	45.1	45.8	45.9	46.3	46.3	46.6	46.8	46.8	46.8	46.8	46.8
GE	9000	37.1	39.9	44.0	44.7	45.1	45.1	45.8	45.9	46.3	46.3	46.6	46.8	46.8	46.8	46.8	46.8
GE	8000	38.1	41.1	45.6	46.4	46.8	46.8	47.8	48.2	48.5	48.5	48.9	49.0	49.0	49.0	49.0	49.0
GE	7000	38.3	41.2	45.8	46.6	47.0	47.0	48.0	48.4	48.7	48.7	49.0	49.2	49.2	49.2	49.2	49.2
GE	6000	38.3	41.2	45.8	46.6	47.0	47.0	48.0	48.4	48.7	48.7	49.0	49.2	49.2	49.2	49.2	49.2
GE	5000	45.3	48.2	52.7	53.6	53.9	53.9	55.0	55.3	55.7	55.7	56.0	56.2	56.2	56.2	56.2	56.2
GE	4500	45.3	48.6	53.1	53.9	54.3	54.3	55.3	55.7	56.0	56.0	56.4	56.5	56.5	56.5	56.5	56.5
GE	4000	47.0	50.3	55.1	56.2	56.5	56.5	57.6	57.9	58.3	58.3	58.6	58.8	58.8	58.8	58.8	58.8
GE	3500	47.0	50.3	55.1	56.2	56.5	56.5	57.6	57.9	58.3	58.3	58.6	58.8	58.8	58.8	58.8	58.8
GE	3000	47.3	50.6	55.5	56.5	56.9	56.9	58.1	58.4	58.8	58.8	59.1	59.3	59.3	59.3	59.3	59.3
GE	2500	47.3	50.6	55.5	56.5	56.9	56.9	58.1	58.4	58.8	58.8	59.1	59.3	59.3	59.3	59.3	59.3
GE	2000	47.3	50.6	55.5	56.5	56.9	56.9	58.1	58.4	58.8	58.8	59.1	59.3	59.3	59.3	59.3	59.3
GE	1500	47.5	50.8	55.7	56.7	57.1	57.1	58.3	58.6	59.0	59.0	59.5	59.7	59.7	59.7	59.7	59.7
GE	1200	47.5	50.8	55.7	56.7	57.1	57.1	58.3	58.6	59.0	59.0	59.5	59.7	59.7	59.7	59.7	59.7
GE	1000	47.5	50.8	55.8	57.1	57.4	57.4	58.6	59.0	59.3	59.3	59.8	100.0	100.0	100.0	100.0	100.0
GE	900	47.5	50.8	55.8	57.1	57.4	57.4	58.6	59.0	59.3	59.3	59.8	100.0	100.0	100.0	100.0	100.0
GE	800	47.5	50.8	55.8	57.1	57.4	57.4	58.6	59.0	59.3	59.3	59.8	100.0	100.0	100.0	100.0	100.0
GE	700	47.5	50.8	55.8	57.1	57.4	57.4	58.6	59.0	59.3	59.3	59.8	100.0	100.0	100.0	100.0	100.0
GE	600	47.5	50.8	55.8	57.1	57.4	57.4	58.6	59.0	59.3	59.3	59.8	100.0	100.0	100.0	100.0	100.0
GE	500	47.5	50.8	55.8	57.1	57.4	57.4	58.6	59.0	59.3	59.3	59.8	100.0	100.0	100.0	100.0	100.0
GE	400	47.5	50.8	55.8	57.1	57.4	57.4	58.6	59.0	59.3	59.3	59.8	100.0	100.0	100.0	100.0	100.0
GE	300	47.5	50.8	55.8	57.1	57.4	57.4	58.6	59.0	59.3	59.3	59.8	100.0	100.0	100.0	100.0	100.0
GE	200	47.5	50.8	55.8	57.1	57.4	57.4	58.6	59.0	59.3	59.3	59.8	100.0	100.0	100.0	100.0	100.0
GE	100	47.5	50.8	55.8	57.1	57.4	57.4	58.6	59.0	59.3	59.3	59.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 577

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JAN HOURS(IST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	FT	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		25.2	39.4	49.3	52.2	53.3	53.3	54.5	54.6	55.0	55.0	55.3	55.5	55.5	55.5	55.5	55.5
GE 20000		26.2	41.2	51.7	54.5	55.6	55.6	57.0	57.1	57.5	57.5	57.8	57.9	57.9	57.9	57.9	57.9
GE 18000		26.2	41.2	51.7	54.5	55.6	55.6	57.0	57.1	57.5	57.5	57.8	57.9	57.9	57.9	57.9	57.9
GE 16000		26.2	41.2	51.7	54.5	55.6	55.6	57.0	57.1	57.5	57.5	57.8	57.9	57.9	57.9	57.9	57.9
GE 14000		26.2	41.2	51.7	54.5	55.6	55.6	57.0	57.1	57.5	57.5	57.8	57.9	57.9	57.9	57.9	57.9
GE 12000		26.2	41.2	51.8	54.6	55.8	55.8	57.1	57.3	57.6	57.6	57.9	58.1	58.1	58.1	58.1	58.1
GE 10000	.2	30.1	46.9	57.8	61.3	62.4	62.4	63.7	63.9	64.2	64.2	64.6	64.7	64.7	64.7	64.7	64.7
GE 9000	.2	30.5	47.5	58.8	62.4	63.6	63.6	64.9	65.1	65.4	65.4	65.7	65.9	65.9	65.9	65.9	65.9
GE 8000	.2	31.8	49.5	61.3	65.1	66.2	66.2	67.9	68.4	68.7	68.7	69.2	69.4	69.4	69.4	69.4	69.4
GE 7000	.2	32.1	49.8	61.6	65.4	66.6	66.6	68.2	68.7	69.0	69.0	69.5	69.7	69.7	69.7	69.7	69.7
GE 6000	.2	32.1	49.8	61.6	65.4	66.7	66.7	68.4	68.9	69.2	69.2	69.7	69.9	69.9	69.9	69.9	69.9
GE 5000	.2	57.3	75.2	86.9	90.7	92.1	92.1	93.7	94.2	94.5	94.5	95.0	95.2	95.2	95.2	95.2	95.2
GE 4500	.2	57.3	75.2	86.9	90.7	92.1	92.1	93.7	94.2	94.5	94.5	95.0	95.2	95.2	95.2	95.2	95.2
GE 4000	.2	59.1	77.3	89.4	93.2	94.5	94.5	96.4	96.9	97.2	97.2	97.7	97.8	97.8	97.8	97.8	97.8
GE 3500	.2	59.4	77.6	89.9	93.7	95.0	95.0	96.9	97.4	97.7	97.7	98.2	98.3	98.3	98.3	98.3	98.3
GE 3000	.2	59.4	77.6	90.1	94.0	95.4	95.4	97.2	97.7	98.0	98.0	98.5	98.7	98.7	98.7	98.7	98.7
GE 2500	.2	59.4	77.6	90.1	94.0	95.4	95.4	97.2	97.7	98.0	98.0	98.5	98.7	98.7	98.7	98.7	98.7
GE 2000	.2	59.4	77.6	90.2	94.2	95.5	95.5	97.4	97.8	98.2	98.2	98.7	98.8	98.8	98.8	98.8	98.8
GE 1800	.2	59.4	77.6	90.2	94.2	95.5	95.5	97.4	97.8	98.2	98.2	98.7	98.8	98.8	98.8	98.8	98.8
GE 1500	.2	59.4	77.6	90.2	94.4	95.7	95.7	97.5	98.0	98.3	98.3	98.8	99.0	99.3	99.3	99.3	99.3
GE 1200	.2	59.4	77.6	90.2	94.5	95.9	95.9	97.7	98.2	98.5	98.5	99.0	99.2	99.5	99.5	99.5	99.5
GE 1000	.2	59.4	77.6	90.4	94.7	96.0	96.0	97.8	98.3	98.7	98.7	99.2	99.3	99.7	99.7	99.7	99.7
GE 900	.2	59.4	77.6	90.4	94.7	96.0	96.0	97.8	98.3	98.7	98.7	99.2	99.3	99.7	99.7	99.7	99.7
GE 800	.2	59.4	77.6	90.4	94.9	96.2	96.2	98.0	98.5	98.8	98.8	99.3	99.5	99.8	99.8	99.8	99.8
GE 700	.2	59.4	77.6	90.4	94.9	96.2	96.2	98.0	98.5	98.8	98.8	99.3	99.5	99.8	99.8	99.8	99.8
GE 600	.2	59.4	77.6	90.4	94.9	96.2	96.2	98.0	98.5	98.8	98.8	99.3	99.5	99.8	99.8	99.8	99.8
GE 500	.2	59.4	77.6	90.4	94.9	96.2	96.2	98.0	98.5	98.8	98.8	99.3	99.5	99.8	99.8	99.8	99.8
GE 400	.2	59.4	77.6	90.4	94.9	96.2	96.2	98.0	98.5	98.8	98.8	99.3	99.5	99.8	99.8	99.8	99.8
GE 300	.2	59.4	77.6	90.4	94.9	96.2	96.2	98.0	98.5	98.8	98.8	99.3	99.5	100.0	100.0	100.0	100.0
GE 200	.2	59.4	77.6	90.4	94.9	96.2	96.2	98.0	98.5	98.8	98.8	99.3	99.5	100.0	100.0	100.0	100.0
GE 100	.2	59.4	77.6	90.4	94.9	96.2	96.2	98.0	98.5	98.8	98.8	99.3	99.5	100.0	100.0	100.0	100.0
GE 0	.2	59.4	77.6	90.4	94.9	96.2	96.2	98.0	98.5	98.8	98.8	99.3	99.5	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 404

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404780 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JAN HOURS(IST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	GT	GF	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL		13.1	30.3	49.5	52.8	55.3	55.3	57.2	58.4	58.5	58.7	59.0	59.0	59.1	59.1	59.1
GE 20000		13.8	32.6	53.4	56.9	59.4	59.4	61.6	62.7	62.9	63.0	63.3	63.3	63.5	63.5	63.5
GE 18000		13.8	32.6	53.4	56.9	59.4	59.4	61.6	62.7	62.9	63.0	63.3	63.3	63.5	63.5	63.5
GE 16000		13.8	32.6	53.4	56.9	59.4	59.4	61.6	62.7	62.9	63.0	63.3	63.3	63.5	63.5	63.5
GE 14000		13.8	32.6	53.4	56.9	59.4	59.4	61.6	62.7	62.9	63.0	63.3	63.3	63.5	63.5	63.5
GE 12000		14.1	33.0	53.9	57.6	60.4	60.4	62.6	63.8	63.9	64.0	64.3	64.3	64.5	64.5	64.5
GE 10000		15.3	37.0	59.5	63.6	66.5	66.5	68.7	69.9	70.0	70.2	70.5	70.5	70.6	70.6	70.6
GE 9000	.1	15.6	38.0	61.6	65.9	69.0	69.0	71.3	72.5	72.6	72.8	73.1	73.1	73.2	73.2	73.2
GE 8000	.1	16.4	40.3	64.8	69.1	73.1	73.1	75.5	77.0	77.1	77.1	77.6	77.6	77.7	77.7	77.7
GE 7000	.1	16.4	40.3	64.9	69.3	73.2	73.2	75.7	77.1	77.3	77.4	77.7	77.7	77.9	77.9	77.9
GE 6000	.1	16.4	40.3	64.9	69.3	73.2	73.2	75.7	77.1	77.3	77.4	77.7	77.7	77.9	77.9	77.9
GE 5000	.1	15.1	59.0	83.6	87.9	91.8	91.8	94.3	95.8	95.9	96.1	96.4	96.4	96.5	96.5	96.5
GE 4500	.1	15.1	59.0	83.6	87.9	91.8	91.8	94.3	95.8	95.9	96.1	96.4	96.4	96.5	96.5	96.5
GE 4000	.1	15.7	59.8	84.6	89.2	93.2	93.3	95.9	97.4	97.5	97.7	98.0	98.0	98.1	98.1	98.1
GE 3500	.1	16.0	60.4	85.2	89.8	93.7	93.9	96.5	98.0	98.1	98.3	98.5	98.5	98.7	98.7	98.7
GE 3000	.3	16.2	60.7	85.4	90.2	94.2	94.3	97.1	98.5	98.8	99.0	99.3	99.3	99.4	99.4	99.4
GE 2500	.3	16.2	60.8	85.6	90.4	94.3	94.5	97.2	98.7	99.0	99.1	99.4	99.4	99.6	99.6	99.6
GE 2000	.3	16.2	61.0	85.9	90.7	94.8	94.9	97.7	99.1	99.4	99.6	99.9	99.9	100.0	100.0	100.0
GE 1800	.3	16.2	61.0	85.9	90.7	94.8	94.9	97.7	99.1	99.4	99.6	99.9	99.9	100.0	100.0	100.0
GE 1500	.3	16.2	61.0	85.9	90.7	94.8	94.9	97.7	99.1	99.4	99.6	99.9	99.9	100.0	100.0	100.0
GE 1200	.3	16.2	61.0	85.9	90.7	94.8	94.9	97.7	99.1	99.4	99.6	99.9	99.9	100.0	100.0	100.0
GE 1000	.3	16.2	61.0	85.9	90.7	94.8	94.9	97.7	99.1	99.4	99.6	99.9	99.9	100.0	100.0	100.0
GE 900	.3	16.2	61.0	85.9	90.7	94.8	94.9	97.7	99.1	99.4	99.6	99.9	99.9	100.0	100.0	100.0
GE 800	.3	16.2	61.0	85.9	90.7	94.8	94.9	97.7	99.1	99.4	99.6	99.9	99.9	100.0	100.0	100.0
GE 700	.3	16.2	61.0	85.9	90.7	94.8	94.9	97.7	99.1	99.4	99.6	99.9	99.9	100.0	100.0	100.0
GE 600	.3	16.2	61.0	85.9	90.7	94.8	94.9	97.7	99.1	99.4	99.6	99.9	99.9	100.0	100.0	100.0
GE 500	.3	16.2	61.0	85.9	90.7	94.8	94.9	97.7	99.1	99.4	99.6	99.9	99.9	100.0	100.0	100.0
GE 400	.3	16.2	61.0	85.9	90.7	94.8	94.9	97.7	99.1	99.4	99.6	99.9	99.9	100.0	100.0	100.0
GE 300	.3	16.2	61.0	85.9	90.7	94.8	94.9	97.7	99.1	99.4	99.6	99.9	99.9	100.0	100.0	100.0
GE 200	.3	16.2	61.0	85.9	90.7	94.8	94.9	97.7	99.1	99.4	99.6	99.9	99.9	100.0	100.0	100.0
GE 100	.3	16.2	61.0	85.9	90.7	94.8	94.9	97.7	99.1	99.4	99.6	99.9	99.9	100.0	100.0	100.0
GE 0	.3	16.2	61.0	85.9	90.7	94.8	94.9	97.7	99.1	99.4	99.6	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 687

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JAN HOURS(IST): 1200-1400

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	GE 160	GF 90	GE 80	GF 60	GE 48	GF 40	GE 32	GF 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		22.0	35.0	44.1	45.8	46.0	46.3	47.0	48.0	49.1	48.1	48.8	49.0	49.0	49.1	49.1
GF 20000		23.5	37.6	47.7	49.6	49.7	50.1	50.9	51.9	52.0	52.0	52.7	52.9	52.9	53.0	53.0
GF 18000		23.5	37.6	47.7	49.6	49.7	50.1	50.9	51.9	52.0	52.0	52.7	52.9	52.9	53.0	53.0
GF 16000		23.5	37.6	47.7	49.6	49.7	50.1	50.9	51.9	52.0	52.0	52.7	52.9	52.9	53.0	53.0
GF 14000		23.5	37.6	47.7	49.6	49.7	50.1	50.9	51.9	52.0	52.0	52.7	52.9	52.9	53.0	53.0
GF 12000		23.8	38.3	48.4	50.9	51.0	51.4	52.2	53.2	53.3	53.3	54.0	54.2	54.2	54.3	54.3
GE 10000		25.2	41.1	51.9	54.3	54.6	55.0	55.8	56.8	56.9	56.9	57.6	57.8	57.8	57.9	57.9
GF 9000		25.5	41.6	53.2	55.8	56.2	56.6	57.3	58.4	58.5	58.5	59.2	59.4	59.4	59.5	59.5
GF 8000		26.4	43.8	55.9	58.6	59.7	60.1	61.0	62.0	62.1	62.1	62.8	63.0	63.0	63.1	63.1
GF 7000		26.5	43.9	56.1	58.8	59.8	60.2	61.1	62.1	62.2	62.2	63.0	63.1	63.1	63.3	63.3
GF 6000		26.5	43.9	56.1	58.8	59.8	60.2	61.1	62.1	62.2	62.2	63.0	63.1	63.1	63.3	63.3
GE 5000		58.8	76.2	88.5	91.2	92.2	92.7	93.5	94.5	94.7	94.7	95.4	95.5	95.5	95.7	95.7
GF 4500		58.9	76.4	88.6	91.4	92.4	92.8	93.7	94.7	94.8	94.8	95.5	95.7	95.7	95.8	95.8
GF 4000		59.5	77.1	89.8	92.7	93.8	94.2	95.1	96.1	96.3	96.3	97.0	97.1	97.1	97.3	97.3
GF 3500		59.8	77.4	90.1	92.9	94.1	94.5	95.4	96.4	96.5	96.5	97.3	97.4	97.4	97.6	97.6
GF 3000		60.1	78.4	91.4	94.4	95.5	96.0	96.8	97.8	98.0	98.0	98.7	98.8	98.8	99.0	99.0
GF 2500		60.2	78.7	91.9	95.0	96.1	96.5	97.4	98.4	98.6	98.6	99.3	99.4	99.4	99.6	99.6
GF 2000		60.4	78.8	92.1	95.1	96.5	97.0	97.8	98.8	99.0	99.0	99.7	99.9	99.9	100.0	100.0
GF 1800		60.4	78.8	92.1	95.1	96.5	97.0	97.8	98.8	99.0	99.0	99.7	99.9	99.9	100.0	100.0
GF 1500		60.4	78.8	92.1	95.1	96.5	97.0	97.8	98.8	99.0	99.0	99.7	99.9	99.9	100.0	100.0
GF 1200		60.4	78.8	92.1	95.1	96.5	97.0	97.8	98.8	99.0	99.0	99.7	99.9	99.9	100.0	100.0
GF 1000		60.4	78.8	92.1	95.1	96.5	97.0	97.8	98.8	99.0	99.0	99.7	99.9	99.9	100.0	100.0
GF 900		60.4	78.8	92.1	95.1	96.5	97.0	97.8	98.8	99.0	99.0	99.7	99.9	99.9	100.0	100.0
GF 800		60.4	78.8	92.1	95.1	96.5	97.0	97.8	98.8	99.0	99.0	99.7	99.9	99.9	100.0	100.0
GF 700		60.4	78.8	92.1	95.1	96.5	97.0	97.8	98.8	99.0	99.0	99.7	99.9	99.9	100.0	100.0
GF 600		60.4	78.8	92.1	95.1	96.5	97.0	97.8	98.8	99.0	99.0	99.7	99.9	99.9	100.0	100.0
GF 500		60.4	78.8	92.1	95.1	96.5	97.0	97.8	98.8	99.0	99.0	99.7	99.9	99.9	100.0	100.0
GF 400		60.4	78.8	92.1	95.1	96.5	97.0	97.8	98.8	99.0	99.0	99.7	99.9	99.9	100.0	100.0
GF 300		60.4	78.8	92.1	95.1	96.5	97.0	97.8	98.8	99.0	99.0	99.7	99.9	99.9	100.0	100.0
GF 200		60.4	78.8	92.1	95.1	96.5	97.0	97.8	98.8	99.0	99.0	99.7	99.9	99.9	100.0	100.0
GF 100		60.4	78.8	92.1	95.1	96.5	97.0	97.8	98.8	99.0	99.0	99.7	99.9	99.9	100.0	100.0
GE HT		60.4	78.8	92.1	95.1	96.5	97.0	97.8	98.8	99.0	99.0	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 594

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404300 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JAN HOURS(IST): 1500-1700

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	GE 160	GE 90	GE 80	GE 60	GE 49	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 9	GE 5	GE 4	GE 0
NO CEIL	29.1	35.0	40.6	41.0	42.1	42.1	42.8	43.6	44.2	44.2	44.6	44.6	44.8	44.8	44.8	
GE 20000	30.8	37.1	43.6	44.5	45.7	45.7	46.5	47.5	48.3	49.6	49.2	49.2	49.3	49.3	49.3	
GE 18000	30.9	37.3	43.7	44.6	45.9	45.9	46.6	47.7	48.4	48.7	49.3	49.3	49.5	49.5	49.5	
GE 16000	30.9	37.3	43.7	44.6	45.9	45.9	46.6	47.7	48.4	48.7	49.3	49.3	49.5	49.5	49.5	
GE 14000	30.9	37.3	43.7	44.6	46.0	46.0	46.8	47.8	48.6	49.9	49.5	49.5	49.6	49.6	49.6	
GE 12000	31.5	38.5	45.1	46.2	47.4	47.4	48.1	49.2	49.9	50.2	50.8	50.8	51.0	51.0	51.0	
GE 10000	33.3	40.4	47.7	48.7	50.1	50.1	50.8	52.0	52.8	53.1	53.7	53.7	53.8	53.8	53.8	
GE 9000	33.6	40.9	48.3	49.8	51.1	51.1	52.0	53.2	54.0	54.3	54.9	54.9	55.1	55.1	55.1	
GE 8000	35.4	43.6	51.6	53.1	54.4	54.4	55.5	56.7	57.5	57.8	58.4	58.4	58.5	58.5	58.5	
GE 7000	35.6	43.9	51.9	53.4	54.9	54.9	56.0	57.2	57.9	58.2	58.8	58.8	59.0	59.0	59.0	
GE 6000	35.6	43.9	51.9	53.4	54.9	54.9	56.0	57.2	57.9	58.2	58.8	58.8	59.0	59.0	59.0	
GE 5000	72.5	80.2	88.8	90.5	91.9	91.9	92.9	94.1	94.9	95.2	95.8	95.8	95.9	95.9	95.9	
GE 4500	72.7	81.0	89.0	90.5	92.0	92.0	93.1	94.3	95.0	95.3	95.9	95.9	96.1	96.1	96.1	
GE 4000	74.5	83.0	91.1	92.9	94.4	94.4	95.5	96.7	97.4	97.7	98.3	98.3	98.5	98.5	98.5	
GE 3500	74.7	83.1	91.3	93.1	94.6	94.6	95.8	97.0	97.7	98.0	98.6	98.6	98.8	98.8	98.8	
GE 3000	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 2500	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 2000	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 1800	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 1600	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 1400	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 1200	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 1000	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 900	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 800	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 700	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 600	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 500	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 400	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 300	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 200	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 100	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	
GE 0	75.6	84.2	92.5	94.3	95.8	95.8	97.0	98.2	98.9	99.2	99.8	99.8	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 663

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404360 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JAN HOURS(IST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	.2	22.4	33.1	39.7	41.1	41.7	41.8	42.4	43.4	43.5	43.5	43.5	43.8	43.8	43.8	43.8	
GE 2000	.2	23.7	34.4	41.8	43.4	44.6	44.7	45.3	46.2	46.5	46.5	46.5	46.8	46.8	46.8	46.8	
GE 1800	.2	23.7	34.4	41.8	43.4	44.6	44.7	45.3	46.2	46.5	46.5	46.5	46.8	46.8	46.8	46.8	
GE 1600	.2	23.7	34.4	41.8	43.4	44.6	44.7	45.3	46.2	46.5	46.5	46.5	46.8	46.8	46.8	46.8	
GE 1400	.2	23.7	34.4	41.8	43.4	44.6	44.7	45.3	46.2	46.5	46.5	46.5	46.8	46.8	46.8	46.8	
GE 1200	.2	23.9	35.2	42.7	44.3	45.5	45.6	46.2	47.1	47.4	47.4	47.4	47.7	47.7	47.7	47.7	
GE 1000	.2	25.5	37.8	45.8	47.3	48.5	48.6	49.2	50.2	50.5	50.5	50.5	50.8	50.8	50.8	50.8	
GE 900	.2	26.1	38.4	46.7	48.5	49.7	49.8	50.5	51.4	51.7	51.7	51.7	52.0	52.0	52.0	52.0	
GE 800	.2	27.2	41.2	50.0	52.1	53.5	53.6	54.2	55.1	55.6	55.6	55.6	55.9	55.9	55.9	55.9	
GE 700	.2	27.3	41.4	51.1	53.3	54.7	54.8	55.4	56.3	56.8	56.8	56.8	57.1	57.1	57.1	57.1	
GE 600	.2	27.3	41.4	51.1	53.3	54.7	54.8	55.4	56.3	56.8	56.8	56.8	57.1	57.1	57.1	57.1	
GE 500	.2	66.3	80.4	90.0	92.3	93.7	93.8	94.4	95.3	95.8	95.8	95.8	96.1	96.1	96.1	96.1	
GE 400	.2	66.3	80.4	90.2	92.4	93.8	94.0	94.6	95.6	96.1	96.1	96.1	96.4	96.4	96.4	96.4	
GE 300	.2	67.4	82.0	92.1	94.4	95.8	95.9	96.5	97.6	98.0	98.0	98.0	98.3	98.3	98.3	98.3	
GE 200	.2	67.8	82.5	92.6	94.9	96.2	96.4	97.0	98.0	98.5	98.5	98.5	98.8	98.8	98.8	98.8	
GE 100	.2	68.1	82.9	93.2	95.8	97.1	97.3	97.9	98.9	99.4	99.4	99.4	99.7	99.7	99.7	99.7	
GE 2500	.2	68.1	82.9	93.2	95.8	97.1	97.3	97.9	98.9	99.4	99.4	99.4	99.7	99.7	99.7	99.7	
GE 2000	.2	68.1	82.9	93.2	95.8	97.1	97.3	97.9	98.9	99.4	99.4	99.4	99.7	99.7	99.7	99.7	
GE 1800	.2	68.1	82.9	93.2	95.8	97.1	97.3	97.9	98.9	99.4	99.4	99.4	99.7	99.7	99.7	99.7	
GE 1600	.2	68.1	82.9	93.2	95.8	97.1	97.3	97.9	98.9	99.4	99.4	99.4	99.7	99.7	99.7	99.7	
GE 1400	.2	68.1	82.9	93.2	95.8	97.1	97.3	97.9	98.9	99.4	99.4	99.4	99.7	99.7	99.7	99.7	
GE 1200	.2	68.1	82.9	93.2	95.8	97.1	97.3	97.9	98.9	99.4	99.4	99.4	99.7	99.7	99.7	99.7	
GE 1000	.2	68.3	83.1	93.5	96.1	97.4	97.6	98.2	99.2	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
GE 900	.2	68.3	83.1	93.5	96.1	97.4	97.6	98.2	99.2	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
GE 800	.2	68.3	83.1	93.5	96.1	97.4	97.6	98.2	99.2	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
GE 700	.2	68.3	83.1	93.5	96.1	97.4	97.6	98.2	99.2	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
GE 600	.2	68.3	83.1	93.5	96.1	97.4	97.6	98.2	99.2	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
GE 500	.2	68.3	83.1	93.5	96.1	97.4	97.6	98.2	99.2	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
GE 400	.2	68.3	83.1	93.5	96.1	97.4	97.6	98.2	99.2	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
GE 300	.2	68.3	83.1	93.5	96.1	97.4	97.6	98.2	99.2	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
GE 200	.2	68.3	83.1	93.5	96.1	97.4	97.6	98.2	99.2	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
GE 100	.2	68.3	83.1	93.5	96.1	97.4	97.6	98.2	99.2	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
GE 0	.2	68.3	83.1	93.5	96.1	97.4	97.6	98.2	99.2	99.7	99.7	99.7	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 662

GLOJAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JAN HOURS(LST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GT 160	GF 90	GE 80	GF 60	GE 48	GE 40	GE 32	GE 24	GE 20	GF 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		25.5	32.3	38.6	38.9	39.3	39.3	39.9	40.1	40.5	40.9	40.8	41.0	41.0	41.0	41.0	
GE 20000		26.4	33.8	40.4	40.7	41.1	41.1	41.7	41.9	42.3	42.6	42.6	42.8	42.8	42.8	42.8	42.8
GE 18000		26.4	33.8	40.4	40.7	41.1	41.1	41.7	41.9	42.3	42.6	42.6	42.8	42.8	42.8	42.8	42.8
GE 16000		26.4	33.8	40.4	40.7	41.1	41.1	41.7	41.9	42.3	42.6	42.6	42.8	42.8	42.8	42.8	42.8
GE 14000		26.4	33.8	40.4	40.7	41.1	41.1	41.7	41.9	42.3	42.6	42.6	42.8	42.8	42.8	42.8	42.8
GE 12000		26.9	34.5	41.4	41.7	42.2	42.2	42.8	42.9	43.4	43.7	43.7	43.8	43.8	43.8	43.8	43.8
GE 10000		27.9	36.3	43.8	44.1	44.6	44.6	45.2	45.3	45.8	46.1	46.1	46.2	46.2	46.2	46.2	46.2
GE 9000		28.4	36.8	44.6	45.0	45.5	45.5	46.1	46.2	46.7	47.0	47.0	47.1	47.1	47.1	47.1	47.1
GE 8000		29.6	39.3	47.7	48.2	48.9	48.9	49.5	49.8	50.3	50.6	50.6	50.8	50.8	50.8	50.8	50.8
GE 7000		29.6	39.6	48.5	48.9	49.7	49.7	50.3	50.6	51.1	51.4	51.4	51.5	51.5	51.5	51.5	51.5
GE 6000		29.6	39.6	48.5	48.9	49.7	49.7	50.3	50.6	51.1	51.4	51.4	51.5	51.5	51.5	51.5	51.5
GE 5000		74.0	84.2	93.1	93.5	94.3	94.3	94.9	95.3	95.8	96.1	96.1	96.2	96.4	96.4	96.4	96.4
GE 4500		74.0	84.2	93.1	93.8	94.6	94.6	95.2	95.6	96.1	96.4	96.4	96.5	96.7	96.7	96.7	96.7
GE 4000		75.2	85.9	95.0	95.8	96.5	96.5	97.1	97.6	98.0	98.3	98.3	98.5	98.6	98.6	98.6	98.6
GE 3500		75.5	86.2	95.3	96.1	96.8	96.8	97.4	97.9	98.3	98.6	98.6	98.8	98.9	98.9	98.9	98.9
GE 3000		75.8	86.6	96.1	97.0	97.7	97.7	98.3	98.8	99.2	99.5	99.5	99.7	99.8	99.8	99.8	99.8
GE 2500		75.8	86.6	96.1	97.0	97.7	97.7	98.3	98.8	99.2	99.5	99.5	99.7	99.8	99.8	99.8	99.8
GE 2000		75.8	86.6	96.2	97.1	97.9	97.9	98.5	98.9	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 1800		75.8	86.6	96.2	97.1	97.9	97.9	98.5	98.9	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 1500		75.8	86.6	96.2	97.1	97.9	97.9	98.5	98.9	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 1200		75.8	86.6	96.2	97.1	97.9	97.9	98.5	98.9	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 1000		75.8	86.6	96.2	97.1	97.9	97.9	98.5	98.9	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 900		75.8	86.6	96.2	97.1	97.9	97.9	98.5	98.9	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 800		75.8	86.6	96.2	97.1	97.9	97.9	98.5	98.9	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 700		75.8	86.6	96.2	97.1	97.9	97.9	98.5	98.9	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 600		75.8	86.6	96.2	97.1	97.9	97.9	98.5	98.9	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 500		75.8	86.6	96.2	97.1	97.9	97.9	98.5	98.9	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 400		75.8	86.6	96.2	97.1	97.9	97.9	98.5	98.9	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 300		75.8	86.6	96.2	97.1	97.9	97.9	98.5	98.9	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 200		75.8	86.6	96.2	97.1	97.9	97.9	98.5	98.9	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 100		75.8	86.6	96.2	97.1	97.9	97.9	98.5	98.9	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 01		75.8	86.6	96.2	97.1	97.9	97.9	98.5	98.9	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 666

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404387 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JAN HOURS(1ST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GF	GE	GE	GE	GF	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL	.0	2	8	33.2	41.3	42.8	43.6	43.6	44.5	45.1	45.4	45.5	45.8	45.9	45.9	45.9	45.9
GE 2000	.0	24.9	34.9	43.8	45.3	46.2	46.3	47.3	47.9	48.2	48.3	48.6	48.7	48.8	48.8	48.8	48.8
GE 1800	.0	24.9	34.9	43.8	45.3	46.2	46.3	47.3	47.9	48.2	48.3	48.6	48.7	48.8	48.8	48.8	48.8
GE 1600	.0	24.9	34.9	43.8	45.3	46.2	46.3	47.3	47.9	48.2	48.3	48.6	48.7	48.8	48.8	48.8	48.8
GE 1400	.0	24.9	34.9	43.8	45.4	46.2	46.3	47.3	47.9	48.2	48.3	48.6	48.8	48.8	48.8	48.8	48.8
GE 1200	.0	25.3	35.6	44.6	46.3	47.2	47.3	48.2	48.9	49.2	49.3	49.6	49.7	49.7	49.8	49.8	49.8
GE 1000	.0	27.4	38.8	48.5	50.3	51.3	51.4	52.3	53.0	53.3	53.4	53.7	53.8	53.9	53.9	53.9	53.9
GE 900	.1	27.7	39.3	49.4	51.4	52.4	52.5	53.5	54.2	54.5	54.6	54.9	55.0	55.1	55.1	55.1	55.1
GE 800	.1	28.8	41.5	52.1	54.2	55.5	55.6	56.7	57.5	57.9	57.9	58.3	58.4	58.4	58.4	58.4	58.4
GE 700	.1	29.0	41.7	52.5	54.6	55.9	56.0	57.2	58.0	58.3	58.4	58.7	58.9	58.9	58.9	58.9	58.9
GE 600	.1	29.0	41.7	52.5	54.6	56.0	56.0	57.2	58.0	58.3	58.4	58.8	58.9	58.9	58.9	58.9	58.9
GE 500	.1	66.0	78.8	89.5	91.7	93.0	93.1	94.3	95.1	95.4	95.5	95.8	95.9	96.0	96.0	96.0	96.0
GE 450	.1	66.0	78.8	89.6	91.8	93.2	93.2	94.4	95.2	95.6	95.7	96.0	96.1	96.2	96.2	96.2	96.2
GE 400	.1	67.2	80.3	91.4	93.7	95.1	95.2	96.4	97.2	97.6	97.6	98.0	98.1	98.1	98.2	98.2	98.2
GE 350	.1	67.5	80.6	91.7	94.0	95.4	95.5	96.7	97.5	97.9	98.0	98.3	98.4	98.5	98.5	98.5	98.5
GE 300	.1	67.8	81.1	92.4	94.9	96.2	96.3	97.6	98.4	98.8	98.9	99.2	99.3	99.4	99.4	99.4	99.4
GE 250	.1	67.9	81.2	92.5	95.0	96.3	96.4	97.7	98.5	98.9	99.0	99.3	99.4	99.5	99.5	99.5	99.5
GE 200	.1	67.9	81.2	92.6	95.1	96.5	96.6	97.8	98.6	99.0	99.1	99.4	99.6	99.6	99.6	99.6	99.6
GE 180	.1	67.9	81.2	92.6	95.1	96.5	96.6	97.8	98.7	99.0	99.1	99.5	99.6	99.6	99.7	99.7	99.7
GE 150	.1	67.9	81.2	92.6	95.1	96.5	96.6	97.9	98.7	99.1	99.2	99.5	99.7	99.7	99.8	99.8	99.8
GE 120	.1	67.9	81.2	92.7	95.1	96.5	96.6	97.9	98.8	99.1	99.2	99.6	99.7	99.8	99.8	99.8	99.8
GE 100	.1	67.9	81.3	92.7	95.3	96.7	96.8	98.0	98.9	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9
GE 90	.1	67.9	81.3	92.7	95.3	96.7	96.8	98.0	98.9	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9
GE 80	.1	67.9	81.3	92.8	95.3	96.7	96.8	98.1	98.9	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0
GE 70	.1	67.9	81.3	92.8	95.3	96.7	96.8	98.1	98.9	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0
GE 60	.1	67.9	81.3	92.8	95.3	96.7	96.8	98.1	98.9	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0
GE 50	.1	67.9	81.3	92.8	95.3	96.7	96.8	98.1	98.9	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0
GE 40	.1	67.9	81.3	92.8	95.3	96.7	96.8	98.1	98.9	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0
GE 30	.1	67.9	81.3	92.8	95.3	96.7	96.8	98.1	98.9	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0
GE 20	.1	67.9	81.3	92.8	95.3	96.7	96.8	98.1	98.9	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0
GE 10	.1	67.9	81.3	92.8	95.3	96.7	96.8	98.1	98.9	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0
GE 0	.1	67.9	81.3	92.8	95.3	96.7	96.8	98.1	98.9	99.3	99.4	99.7	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 5154

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: FEB HOURS(LST): 0000-0200

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CETL		25.0	29.2	33.8	34.1	35.2	35.2	35.6	35.8	35.9	35.9	36.1	36.1	36.3	36.5	36.5	
GE 20000		25.4	30.3	35.4	36.1	37.2	37.2	38.1	38.3	38.5	38.5	38.7	38.7	38.8	39.0	39.0	
GE 18000		25.4	30.5	35.6	36.3	37.4	37.4	38.3	38.5	38.7	38.7	38.8	38.8	39.0	39.2	39.2	
GE 16000		25.4	30.5	35.6	36.3	37.4	37.4	38.3	38.5	38.7	38.7	38.8	38.8	39.0	39.2	39.2	
GE 14000		25.4	30.5	35.6	36.3	37.4	37.4	38.3	38.5	38.7	38.7	38.8	38.8	39.0	39.2	39.2	
GE 12000		25.4	30.5	35.6	36.3	37.4	37.4	38.3	38.5	38.7	38.7	38.8	38.8	39.0	39.2	39.2	
GE 10000		26.5	32.7	37.7	38.8	40.1	40.1	41.0	41.2	41.4	41.4	41.6	41.6	41.7	41.9	41.9	
GE 9000		27.8	34.5	39.6	40.8	42.1	42.1	43.0	43.2	43.4	43.4	43.7	43.7	43.9	44.1	44.1	
GE 8000		28.5	35.4	41.4	42.6	44.1	44.1	45.0	45.2	45.4	45.4	45.7	45.7	45.9	46.1	46.1	
GE 7000		28.7	35.6	41.6	42.8	44.3	44.3	45.2	45.4	45.6	45.6	45.9	45.9	46.1	46.3	46.3	
GE 6000		28.7	35.6	41.6	42.8	44.3	44.3	45.2	45.4	45.6	45.6	45.9	45.9	46.1	46.3	46.3	
GE 5000		79.3	86.2	92.2	93.5	94.9	94.9	95.8	96.0	96.2	96.2	96.6	96.6	96.7	96.9	96.9	
GE 4500		79.3	86.2	92.2	93.5	94.9	94.9	95.8	96.0	96.2	96.2	96.6	96.6	96.7	96.9	96.9	
GE 4000		80.0	87.1	93.5	94.7	96.2	96.2	97.3	97.6	97.8	97.8	98.2	98.2	98.4	98.5	98.5	
GE 3500		80.0	87.1	93.5	94.9	96.4	96.4	97.5	97.8	98.0	98.0	98.4	98.4	98.5	98.7	98.7	
GE 3000		80.0	87.3	94.2	95.6	97.1	97.1	98.2	98.5	98.7	98.7	99.1	99.1	99.3	99.5	99.5	
GE 2500		80.0	87.3	94.4	95.8	97.3	97.3	98.4	98.7	98.9	98.9	99.3	99.3	99.5	99.6	99.6	
GE 2000		80.2	87.5	94.6	96.0	97.5	97.5	98.5	98.9	99.1	99.1	99.5	99.5	99.6	99.8	99.8	
GE 1800		80.2	87.5	94.6	96.0	97.5	97.5	98.5	98.9	99.1	99.1	99.5	99.5	99.6	99.8	99.8	
GE 1500		80.2	87.5	94.6	96.0	97.5	97.5	98.5	98.9	99.1	99.1	99.5	99.5	99.6	99.8	99.8	
GE 1200		80.2	87.5	94.6	96.0	97.5	97.5	98.5	98.9	99.1	99.1	99.5	99.5	99.6	99.8	99.8	
GE 1000		80.2	87.5	94.6	96.0	97.5	97.5	98.5	98.9	99.1	99.1	99.5	99.5	99.6	99.8	99.8	
GE 900		80.2	87.5	94.6	96.0	97.5	97.5	98.5	98.9	99.1	99.1	99.5	99.5	99.6	99.8	99.8	
GE 800		80.2	87.5	94.6	96.0	97.5	97.5	98.5	98.9	99.1	99.1	99.5	99.5	99.6	99.8	99.8	
GE 700		80.2	87.5	94.6	96.0	97.5	97.5	98.5	98.9	99.1	99.1	99.5	99.5	99.6	99.8	99.8	
GE 600		80.2	87.5	94.6	96.0	97.6	97.6	98.7	99.1	99.3	99.3	99.6	99.6	99.8	100.0	100.0	
GE 500		80.2	87.5	94.6	96.0	97.6	97.6	98.7	99.1	99.3	99.3	99.6	99.6	99.8	100.0	100.0	
GE 400		80.2	87.5	94.6	96.0	97.6	97.6	98.7	99.1	99.3	99.3	99.6	99.6	99.8	100.0	100.0	
GE 300		80.2	87.5	94.6	96.0	97.6	97.6	98.7	99.1	99.3	99.3	99.6	99.6	99.8	100.0	100.0	
GE 200		80.2	87.5	94.6	96.0	97.6	97.6	98.7	99.1	99.3	99.3	99.6	99.6	99.8	100.0	100.0	
GE 100		80.2	87.5	94.6	96.0	97.6	97.6	98.7	99.1	99.3	99.3	99.6	99.6	99.8	100.0	100.0	
GE 0		80.2	87.5	94.6	96.0	97.6	97.6	98.7	99.1	99.3	99.3	99.6	99.6	99.8	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 551

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: FEB HOURS(IST): 0300-0500

VISIBILITY IN HUNDREDS OF METERS																
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		30.1	34.6	39.5	40.4	40.4	40.4	40.8	40.8	40.8	40.8	40.8	40.8	41.1	41.1	41.1
GE 20000		30.6	36.6	42.0	42.9	43.1	43.1	44.0	44.0	44.0	44.0	44.0	44.0	44.4	44.4	44.4
GE 18000		30.6	36.6	42.0	42.9	43.1	43.1	44.0	44.0	44.0	44.0	44.0	44.0	44.4	44.4	44.4
GE 16000		30.8	36.8	42.2	43.1	43.3	43.3	44.2	44.2	44.2	44.2	44.2	44.2	44.6	44.6	44.6
GE 14000		30.8	36.8	42.2	43.1	43.3	43.3	44.2	44.2	44.2	44.2	44.2	44.2	44.6	44.6	44.6
GE 12000		30.8	37.0	42.4	43.3	43.5	43.5	44.4	44.4	44.4	44.4	44.4	44.4	44.7	44.7	44.7
GE 10000		31.7	38.8	44.4	45.3	45.5	45.5	46.4	46.4	46.4	46.4	46.4	46.4	46.7	46.7	46.7
GE 9000		32.4	40.2	45.8	46.7	46.9	46.9	47.8	47.8	47.8	47.8	47.8	47.8	48.2	48.2	48.2
GE 8000		33.9	41.8	47.6	48.6	48.7	48.7	49.6	49.6	49.6	49.6	49.6	49.6	50.0	50.0	50.0
GE 7000		33.9	41.8	47.6	48.6	48.7	48.7	49.6	49.6	49.6	49.6	49.6	49.6	50.0	50.0	50.0
GE 6000		33.9	42.4	48.2	49.1	49.3	49.3	50.2	50.2	50.2	50.2	50.2	50.2	50.5	50.5	50.5
GE 5000		79.0	87.5	93.3	94.2	94.4	94.4	95.3	95.3	95.3	95.3	95.3	95.3	95.7	95.7	95.7
GE 4500		79.0	87.5	93.5	94.4	94.6	94.6	95.5	95.5	95.5	95.5	95.5	95.5	95.8	95.8	95.8
GE 4000		80.1	88.8	94.9	95.8	96.0	96.0	96.9	96.9	96.9	96.9	96.9	96.9	97.3	97.3	97.3
GE 3500		80.1	89.1	95.7	96.6	96.7	96.7	97.6	97.6	97.6	97.6	97.6	97.6	98.0	98.0	98.0
GE 3000		80.3	89.7	96.7	97.6	97.8	97.8	98.7	98.7	98.7	98.7	98.7	98.7	99.1	99.1	99.1
GE 2500		80.3	89.7	97.1	98.0	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
GE 2000		80.3	89.7	97.1	98.0	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
GE 1800		80.3	89.7	97.1	98.0	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
GE 1500		80.3	89.7	97.1	98.0	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
GE 1200		80.3	89.7	97.1	98.0	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
GE 1000		80.3	89.7	97.1	98.0	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
GE 900		80.3	89.7	97.1	98.0	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
GE 800		80.3	89.7	97.1	98.0	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
GE 700		80.3	89.7	97.1	98.0	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
GE 600		80.3	89.7	97.1	98.0	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
GE 500		80.3	89.7	97.1	98.0	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
GE 400		80.3	89.7	97.1	98.0	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
GE 300		80.3	89.7	97.1	98.0	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
GE 200		80.3	89.7	97.1	98.0	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
GE 100		80.3	89.7	97.1	98.0	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
GE 0		80.3	89.7	97.1	98.0	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 52

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: FEB HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GF 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		28.4	44.5	55.1	56.6	58.0	58.0	58.9	59.0	59.2	59.2	59.4	59.4	59.6	59.8	59.8
GE 20000		29.8	48.9	60.8	62.2	63.8	63.8	64.9	65.1	65.2	65.2	65.4	65.4	65.6	65.8	65.8
GE 18000		29.8	49.1	61.0	62.4	64.0	64.0	65.2	65.4	65.6	65.6	65.8	65.8	66.0	66.1	66.1
GE 16000		29.8	49.1	61.0	62.4	64.0	64.0	65.2	65.4	65.6	65.6	65.8	65.8	66.0	66.1	66.1
GE 14000		29.8	49.1	61.0	62.4	64.0	64.0	65.2	65.4	65.6	65.6	65.8	65.8	66.0	66.1	66.1
GE 12000		30.1	49.6	61.5	62.9	64.5	64.5	65.8	66.0	66.1	66.1	66.3	66.3	66.5	66.7	66.7
GE 10000		31.6	52.1	64.9	66.3	67.9	67.9	69.1	69.3	69.5	69.5	69.7	69.7	69.9	70.0	70.0
GE 9000		31.9	53.4	66.5	67.9	69.5	69.5	70.9	71.1	71.3	71.3	71.5	71.5	71.6	71.8	71.8
GE 8000		33.3	55.9	69.7	71.1	73.0	73.0	74.5	74.6	74.8	74.8	75.0	75.0	75.2	75.4	75.4
GE 7000		33.5	56.0	69.9	71.3	73.2	73.2	74.6	74.8	75.0	75.0	75.2	75.2	75.4	75.5	75.5
GE 6000		33.7	56.2	70.0	71.5	73.4	73.4	74.8	75.0	75.2	75.2	75.4	75.4	75.5	75.7	75.7
GE 5000		53.4	76.1	89.9	91.3	93.3	93.3	94.7	94.9	95.0	95.0	95.2	95.2	95.4	95.6	95.6
GE 4500		53.4	76.1	90.1	91.7	93.6	93.6	95.0	95.2	95.4	95.4	95.6	95.6	95.7	95.9	95.9
GE 4000		53.9	77.1	91.5	93.1	95.0	95.0	96.5	96.6	96.8	96.8	97.0	97.0	97.2	97.3	97.3
GE 3500		53.9	77.1	91.8	93.4	95.4	95.4	96.8	97.0	97.2	97.2	97.3	97.3	97.5	97.7	97.7
GE 3000		54.3	77.7	92.9	94.5	96.5	96.5	97.9	98.0	98.2	98.2	98.4	98.4	98.6	98.8	98.8
GE 2500		54.3	77.7	92.9	94.5	96.5	96.5	97.9	98.0	98.2	98.2	98.4	98.4	98.6	98.8	98.8
GE 2000		54.3	77.7	93.3	94.9	96.8	96.8	98.2	98.4	98.6	98.6	98.8	98.8	98.9	99.1	99.1
GE 1800		54.3	77.7	93.3	94.9	96.8	96.8	98.2	98.4	98.6	98.6	98.8	98.8	98.9	99.1	99.1
GE 1600		54.3	77.7	93.4	95.0	97.0	97.0	98.4	98.6	98.8	98.8	98.9	98.9	99.1	99.3	99.3
GE 1400		54.3	77.7	93.4	95.0	97.0	97.0	98.4	98.6	98.8	98.8	98.9	98.9	99.1	99.3	99.3
GE 1200		54.3	77.7	93.4	95.0	97.0	97.0	98.4	98.6	98.8	98.8	98.9	98.9	99.1	99.3	99.3
GE 1000		54.3	77.7	93.4	95.0	97.0	97.0	98.4	98.6	98.8	98.8	98.9	98.9	99.1	99.3	99.3
GE 900		54.3	77.7	93.4	95.0	97.0	97.0	98.4	98.6	98.8	98.8	98.9	98.9	99.1	99.3	99.3
GE 800		54.3	77.7	93.6	95.2	97.2	97.2	98.6	98.8	98.9	98.9	99.1	99.1	99.3	99.5	99.5
GE 700		54.3	77.7	93.6	95.2	97.2	97.2	98.6	98.8	98.9	98.9	99.1	99.1	99.3	99.5	99.5
GE 600		54.3	77.7	93.8	95.4	97.7	97.7	99.1	99.3	99.5	99.5	99.6	99.6	99.8	100.0	100.0
GE 500		54.3	77.7	93.8	95.4	97.7	97.7	99.1	99.3	99.5	99.5	99.6	99.6	99.8	100.0	100.0
GE 400		54.3	77.7	93.8	95.4	97.7	97.7	99.1	99.3	99.5	99.5	99.6	99.6	99.8	100.0	100.0
GE 300		54.3	77.7	93.8	95.4	97.7	97.7	99.1	99.3	99.5	99.5	99.6	99.6	99.8	100.0	100.0
GE 200		54.3	77.7	93.8	95.4	97.7	97.7	99.1	99.3	99.5	99.5	99.6	99.6	99.8	100.0	100.0
GE 100		54.3	77.7	93.8	95.4	97.7	97.7	99.1	99.3	99.5	99.5	99.6	99.6	99.8	100.0	100.0
GE 0		54.3	77.7	93.8	95.4	97.7	97.7	99.1	99.3	99.5	99.5	99.6	99.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 564

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: FEB HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GF 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GF 10	GE 8	GE 5	GE 4	GE 0
NO CELL	13.5	29.7	46.3	53.3	56.1	56.4	58.9	59.2	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5
GE 20000	14.5	33.8	53.0	60.4	63.1	63.5	65.9	66.2	66.4	66.4	66.4	66.4	66.4	66.6	66.6	66.6
GE 18000	14.7	33.9	53.2	60.7	63.5	63.8	66.4	66.7	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0
GE 16000	14.7	33.9	53.3	60.8	63.6	63.9	66.6	66.9	67.0	67.0	67.0	67.0	67.0	67.2	67.2	67.2
GE 14000	14.7	33.9	53.3	60.8	63.6	63.9	66.6	66.9	67.0	67.0	67.0	67.0	67.0	67.2	67.2	67.2
GE 12000	15.0	34.4	54.2	61.7	64.4	64.8	67.4	67.7	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0
GE 10000	16.5	37.7	57.7	65.7	68.8	69.2	72.3	72.6	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9
GE 9000	17.9	40.1	61.5	69.7	72.8	73.1	76.2	76.5	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8
GE 8000	18.6	42.7	64.3	72.4	75.7	76.0	79.4	79.8	79.9	79.9	79.9	79.9	79.9	80.1	80.1	80.1
GF 7000	18.6	42.9	65.1	73.2	76.5	76.8	80.3	80.6	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9
GE 6000	18.6	43.1	65.3	73.4	76.7	77.0	80.4	80.8	80.9	80.9	80.9	80.9	80.9	81.1	81.1	81.1
GE 5000	33.4	57.9	80.1	88.3	91.5	91.8	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9
GE 4500	33.4	57.9	80.1	88.3	91.5	91.8	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9
GE 4000	33.8	58.6	80.9	89.2	92.5	92.8	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.9	96.9	96.9
GF 3500	33.8	58.6	80.9	89.2	92.5	92.8	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.9	96.9	96.9
GE 3000	34.6	60.2	82.9	91.2	94.9	95.3	98.7	99.0	99.2	99.2	99.3	99.3	99.3	99.5	99.5	99.5
GE 2500	34.6	60.2	82.9	91.2	95.1	95.4	98.9	99.2	99.3	99.3	99.5	99.5	99.5	99.7	99.7	99.7
GE 2000	34.6	60.2	82.9	91.2	95.1	95.4	98.9	99.2	99.3	99.3	99.5	99.5	99.5	99.7	99.7	99.7
GE 1800	34.6	60.4	83.0	91.4	95.3	95.6	99.0	99.3	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8
GF 1500	34.6	60.4	83.0	91.4	95.3	95.6	99.0	99.3	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8
GE 1200	34.6	60.4	83.0	91.4	95.3	95.6	99.0	99.3	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8
GE 1000	34.6	60.4	83.0	91.4	95.3	95.6	99.0	99.3	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8
GF 900	34.6	60.4	83.0	91.4	95.3	95.6	99.0	99.3	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8
GE 800	34.6	60.4	83.2	91.5	95.4	95.8	99.2	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0
GE 700	34.6	60.4	83.2	91.5	95.4	95.8	99.2	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0
GF 600	34.6	60.4	83.2	91.5	95.4	95.8	99.2	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0
GE 500	34.6	60.4	83.2	91.5	95.4	95.8	99.2	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0
GF 400	34.6	60.4	83.2	91.5	95.4	95.8	99.2	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0
GE 300	34.6	60.4	83.2	91.5	95.4	95.8	99.2	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0
GE 200	34.6	60.4	83.2	91.5	95.4	95.8	99.2	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0
GE 100	34.6	60.4	83.2	91.5	95.4	95.8	99.2	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0
GE 0	34.6	60.4	83.2	91.5	95.4	95.8	99.2	99.5	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 413

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-84
MONTH: FEB HOURS(LST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		20.6	34.6	46.6	50.2	53.1	53.3	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 20000		23.2	38.4	52.2	55.9	58.7	58.9	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 18000		23.7	38.9	52.8	56.5	59.4	59.5	60.6	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 16000		23.7	38.9	52.8	56.5	59.4	59.5	60.6	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 14000		23.7	38.9	52.8	56.5	59.4	59.5	60.6	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 12000		23.8	39.4	53.4	57.1	60.0	60.2	61.3	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 10000		25.4	41.6	56.2	60.0	63.0	63.2	64.5	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 9000		26.4	42.6	57.3	61.1	64.2	64.3	65.6	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 8000		28.0	45.4	60.3	64.2	67.2	67.4	68.6	69.0	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 7000		28.2	45.6	60.5	64.3	67.4	67.5	68.8	69.1	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 6000		28.2	45.6	60.5	64.3	67.4	67.5	68.8	69.1	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 5000		53.8	71.2	86.1	89.9	93.0	93.1	94.4	94.7	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 4500		53.8	71.2	86.1	89.9	93.0	93.1	94.4	94.7	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 4000		54.1	72.0	87.4	91.4	94.4	94.6	95.8	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 3500		54.2	72.3	87.8	91.8	94.9	95.0	96.3	96.6	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 3000		55.2	73.4	89.6	93.8	96.8	97.0	98.2	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2500		55.2	73.4	89.6	93.8	96.8	97.0	98.2	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2000		55.7	73.9	90.1	94.2	97.4	97.8	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800		55.7	73.9	90.1	94.2	97.4	97.8	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500		55.7	73.9	90.1	94.2	97.4	97.8	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200		55.7	73.9	90.1	94.2	97.4	97.8	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		55.7	73.9	90.1	94.2	97.4	97.8	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		55.7	73.9	90.1	94.2	97.4	97.8	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		55.7	73.9	90.1	94.2	97.4	97.8	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		55.7	73.9	90.1	94.2	97.4	97.8	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		55.7	73.9	90.1	94.2	97.4	97.8	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		55.7	73.9	90.1	94.2	97.4	97.8	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		55.7	73.9	90.1	94.2	97.4	97.8	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		55.7	73.9	90.1	94.2	97.4	97.8	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		55.7	73.9	90.1	94.2	97.4	97.8	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		55.7	73.9	90.1	94.2	97.4	97.8	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	NI	55.7	73.9	90.1	94.2	97.4	97.8	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TOTAL NUMBER OF OBSERVATIONS:		625															

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: FEB HOURS(LST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	
NO CEIL	.2	25.2	35.5	42.2	43.3	44.3	44.3	45.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	
GE 20000	.2	30.0	43.2	50.8	52.2	53.2	53.2	53.8	54.8	54.8	54.8	54.8	55.2	55.2	55.2	55.2	
GE 18000	.2	30.3	43.5	51.2	52.5	53.5	53.5	54.2	55.2	55.2	55.2	55.2	55.5	55.5	55.5	55.5	
GE 16000	.2	30.3	43.5	51.2	52.5	53.5	53.5	54.2	55.2	55.2	55.2	55.2	55.5	55.5	55.5	55.5	
GE 14000	.2	30.3	43.5	51.2	52.5	53.5	53.5	54.2	55.2	55.2	55.2	55.2	55.5	55.5	55.5	55.5	
GE 12000	.2	30.5	43.8	51.5	53.2	54.2	54.2	54.8	55.8	55.8	55.8	55.8	56.2	56.2	56.2	56.2	
GE 10000	.2	32.8	47.3	56.2	58.0	59.0	59.0	59.7	60.7	60.7	60.7	60.7	61.0	61.0	61.0	61.0	
GE 9000	.2	33.5	48.0	57.3	59.3	60.3	60.3	61.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	
GE 8000	.2	35.0	50.7	60.5	62.5	63.7	63.7	64.3	65.7	65.7	65.7	65.7	65.8	66.3	66.3	66.3	
GE 7000	.2	35.3	51.0	60.8	62.8	64.0	64.0	64.7	66.0	66.0	66.0	66.0	66.2	66.7	66.7	66.7	
GE 6000	.2	35.3	51.0	60.8	62.8	64.0	64.0	64.7	66.0	66.0	66.0	66.0	66.2	66.7	66.7	66.7	
GE 5000	.2	66.2	81.8	91.7	91.7	94.8	94.8	95.5	96.8	96.8	96.8	96.8	97.0	97.5	97.5	97.5	
GE 4000	.2	66.2	81.8	91.7	93.7	94.8	94.8	95.5	96.8	96.8	96.8	96.8	97.0	97.5	97.5	97.5	
GE 4000	.2	66.5	82.3	92.2	94.3	95.5	95.5	96.2	97.5	97.5	97.5	97.5	98.0	98.5	98.5	98.5	
GE 3500	.2	66.5	82.3	92.3	94.5	95.7	95.7	96.3	97.7	97.7	97.7	97.7	98.2	98.7	98.7	98.7	
GE 3000	.2	66.5	82.7	93.0	95.2	96.3	96.3	97.0	98.3	98.3	98.3	98.3	98.8	99.3	99.3	99.3	
GE 2500	.2	66.5	82.7	93.0	95.2	96.3	96.3	97.0	98.3	98.3	98.3	98.3	98.8	99.3	99.3	99.3	
GE 2000	.2	67.2	83.3	93.7	95.8	97.0	97.0	97.7	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.0	
GE 1800	.2	67.2	83.3	93.7	95.8	97.0	97.0	97.7	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.0	
GE 1600	.2	67.2	83.3	93.7	95.8	97.0	97.0	97.7	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.0	
GE 1400	.2	67.2	83.3	93.7	95.8	97.0	97.0	97.7	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.0	
GE 1200	.2	67.2	83.3	93.7	95.8	97.0	97.0	97.7	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.0	
GE 1000	.2	67.2	83.3	93.7	95.8	97.0	97.0	97.7	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.0	
GE 900	.2	67.2	83.3	93.7	95.8	97.0	97.0	97.7	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.0	
GE 800	.2	67.2	83.3	93.7	95.8	97.0	97.0	97.7	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.0	
GE 700	.2	67.2	83.3	93.7	95.8	97.0	97.0	97.7	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.0	
GE 600	.2	67.2	83.3	93.7	95.8	97.0	97.0	97.7	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.0	
GE 500	.2	67.2	83.3	93.7	95.8	97.0	97.0	97.7	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.0	
GE 400	.2	67.2	83.3	93.7	95.8	97.0	97.0	97.7	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.0	
GE 300	.2	67.2	83.3	93.7	95.8	97.0	97.0	97.7	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.0	
GE 200	.2	67.2	83.3	93.7	95.8	97.0	97.0	97.7	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.0	
GE 100	.2	67.2	83.3	93.7	95.8	97.0	97.0	97.7	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.0	
GE 0	.2	67.2	83.3	93.7	95.8	97.0	97.0	97.7	99.0	99.0	99.0	99.0	99.5	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 600

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380

STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84

MONTH: FEB

HOURS(LST): 1800-2000

CEILING FEET	VISIBILITY IN HUNDREDS OF METERS															
	IN 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		23.0	34.0	42.3	43.3	43.5	43.5	44.5	44.9	45.1	45.1	45.2	45.2	45.7	45.7	45.7
GE 20000		26.6	39.8	49.0	50.3	50.5	50.5	51.5	52.0	52.2	52.2	52.4	52.4	52.9	52.9	52.9
GE 18000		26.6	40.3	49.5	50.9	51.0	51.0	52.0	52.6	52.7	52.7	52.9	52.9	53.4	53.4	53.4
GE 16000		26.6	40.3	49.5	50.9	51.0	51.0	52.0	52.6	52.7	52.7	52.9	52.9	53.4	53.4	53.4
GE 14000		26.6	40.3	49.5	50.9	51.0	51.0	52.0	52.6	52.7	52.7	52.9	52.9	53.4	53.4	53.4
GE 12000		27.0	40.6	50.0	51.5	51.7	51.7	52.7	53.2	53.4	53.4	53.6	53.6	54.1	54.1	54.1
GE 10000		28.2	43.7	53.4	55.1	55.5	55.5	56.5	57.0	57.2	57.2	57.3	57.3	57.8	57.8	57.8
GE 9000		29.0	44.7	54.4	56.1	56.5	56.5	57.5	58.0	58.2	58.2	58.4	58.4	58.9	58.9	58.9
GE 8000		29.9	45.9	56.3	58.2	58.5	58.5	59.7	60.6	60.8	60.8	60.9	60.9	61.4	61.4	61.4
GE 7000		30.4	46.4	57.0	58.7	59.0	59.0	60.2	61.1	61.3	61.3	61.4	61.4	61.9	61.9	61.9
GE 6000		30.4	46.4	57.0	58.7	59.0	59.0	60.2	61.1	61.3	61.3	61.4	61.4	61.9	61.9	61.9
GE 5000		66.2	82.4	93.0	94.7	95.1	95.1	96.2	97.1	97.3	97.3	97.4	97.4	98.0	98.0	98.0
GE 4500		66.4	82.6	93.2	94.9	95.2	95.2	96.4	97.3	97.4	97.4	97.6	97.6	98.1	98.1	98.1
GE 4000		67.1	83.3	94.0	95.7	96.1	96.1	97.3	98.1	98.3	98.3	98.5	98.5	99.0	99.0	99.0
GE 3500		67.1	83.3	94.0	95.7	96.1	96.1	97.3	98.1	98.3	98.3	98.5	98.5	99.0	99.0	99.0
GE 3000		67.4	83.6	94.5	96.2	96.6	96.6	97.8	98.6	98.8	98.8	99.0	99.0	99.5	99.5	99.5
GE 2500		67.4	83.6	94.5	96.2	96.6	96.6	97.8	98.6	98.8	98.8	99.0	99.0	99.5	99.5	99.5
GE 2000		67.4	83.6	94.9	96.6	96.9	96.9	98.1	99.0	99.1	99.1	99.3	99.3	99.8	99.8	99.8
GE 1800		67.4	83.6	94.9	96.6	96.9	96.9	98.1	99.0	99.1	99.1	99.3	99.3	99.8	99.8	99.8
GE 1600		67.4	83.6	94.9	96.6	96.9	96.9	98.3	99.1	99.3	99.3	99.5	99.5	100.0	100.0	100.0
GE 1400		67.4	83.6	94.9	96.6	96.9	96.9	98.3	99.1	99.3	99.3	99.5	99.5	100.0	100.0	100.0
GE 1200		67.4	83.6	94.9	96.6	96.9	96.9	98.3	99.1	99.3	99.3	99.5	99.5	100.0	100.0	100.0
GE 1000		67.4	83.6	94.9	96.6	96.9	96.9	98.3	99.1	99.3	99.3	99.5	99.5	100.0	100.0	100.0
GE 900		67.4	83.6	94.9	96.6	96.9	96.9	98.3	99.1	99.3	99.3	99.5	99.5	100.0	100.0	100.0
GE 800		67.4	83.6	94.9	96.6	96.9	96.9	98.3	99.1	99.3	99.3	99.5	99.5	100.0	100.0	100.0
GE 700		67.4	83.6	94.9	96.6	96.9	96.9	98.3	99.1	99.3	99.3	99.5	99.5	100.0	100.0	100.0
GE 600		67.4	83.6	94.9	96.6	96.9	96.9	98.3	99.1	99.3	99.3	99.5	99.5	100.0	100.0	100.0
GE 500		67.4	83.6	94.9	96.6	96.9	96.9	98.3	99.1	99.3	99.3	99.5	99.5	100.0	100.0	100.0
GE 400		67.4	83.6	94.9	96.6	96.9	96.9	98.3	99.1	99.3	99.3	99.5	99.5	100.0	100.0	100.0
GE 300		67.4	83.6	94.9	96.6	96.9	96.9	98.3	99.1	99.3	99.3	99.5	99.5	100.0	100.0	100.0
GE 200		67.4	83.6	94.9	96.6	96.9	96.9	98.3	99.1	99.3	99.3	99.5	99.5	100.0	100.0	100.0
GE 100		67.4	83.6	94.9	96.6	96.9	96.9	98.3	99.1	99.3	99.3	99.5	99.5	100.0	100.0	100.0
GE 0		67.4	83.6	94.9	96.6	96.9	96.9	98.3	99.1	99.3	99.3	99.5	99.5	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 586

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: FEB HOURS(LST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 90	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		27.8	34.3	43.3	44.5	45.0	45.0	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.2	
GE 20000		29.8	40.6	45.9	47.0	47.6	47.6	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.7	
GE 18000		29.8	41.0	46.2	47.4	47.9	47.9	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.1	
GE 16000		29.8	41.0	46.2	47.4	47.9	47.9	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.1	
GE 14000		29.8	41.0	46.2	47.4	47.9	47.9	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.1	
GE 12000		30.0	41.3	46.7	47.9	48.4	48.4	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.6	
GE 10000		30.7	42.8	48.4	49.6	50.3	50.3	51.1	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.6	
GE 9000		31.0	43.5	49.1	50.4	51.1	51.1	51.9	52.1	52.1	52.1	52.1	52.1	52.3	52.3	52.4	
GE 8000		32.9	45.7	52.4	53.8	54.5	54.5	55.3	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.8	
GE 7000		33.1	45.9	52.6	54.0	54.6	54.6	55.5	55.6	55.6	55.6	55.6	55.6	55.8	55.8	56.0	
GE 6000		33.1	45.9	52.6	54.0	54.6	54.6	55.5	55.6	55.6	55.6	55.6	55.6	55.8	55.8	56.0	
GE 5000		75.4	88.2	94.9	96.3	97.0	97.0	97.8	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.3	
GE 4500		75.4	88.2	94.9	96.3	97.0	97.0	97.8	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.3	
GE 4000		75.5	88.5	95.3	96.6	97.3	97.3	98.1	98.3	98.3	98.3	98.3	98.3	98.5	98.5	98.7	
GE 3500		75.7	88.7	95.4	96.8	97.5	97.5	98.3	98.5	98.5	98.5	98.5	98.5	98.7	98.7	98.8	
GE 3000		76.1	89.0	95.8	97.1	97.8	97.8	98.7	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.2	
GE 2500		76.1	89.0	95.8	97.1	97.8	97.8	98.7	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.2	
GE 2000		76.2	89.2	96.3	97.6	98.3	98.3	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.7	
GE 1800		76.2	89.2	96.3	97.6	98.3	98.3	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.7	
GE 1500		76.4	89.4	96.5	97.8	98.5	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.8	
GE 1200		76.4	89.4	96.5	97.8	98.5	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.8	
GE 1000		76.4	89.4	96.5	97.8	98.5	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.8	
GE 900		76.4	89.4	96.5	97.8	98.5	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.8	
GE 800		76.4	89.4	96.5	97.8	98.5	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.8	
GE 700		76.4	89.4	96.5	97.8	98.5	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.8	
GE 600		76.6	89.5	96.6	98.0	98.7	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	
GE 500		76.6	89.5	96.6	98.0	98.7	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	
GE 400		76.6	89.5	96.6	98.0	98.7	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	
GE 300		76.6	89.5	96.6	98.0	98.7	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	
GE 200		76.6	89.5	96.6	98.0	98.7	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	
GE 100		76.6	89.5	96.6	98.0	98.7	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	
GE 0		76.6	89.5	96.6	98.0	98.7	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 593

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: FEB HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	.0	24.1	35.0	43.7	45.9	47.1	47.2	48.2	48.5	48.6	48.6	48.7	48.7	48.8	48.9	48.9
GE 20000	.0	26.1	39.0	48.8	51.1	52.4	52.5	53.6	53.9	54.0	54.0	54.1	54.1	54.3	54.3	54.4
GE 18000	.0	26.3	39.2	49.1	51.4	52.7	52.8	53.9	54.3	54.4	54.4	54.5	54.5	54.7	54.7	54.7
GE 16000	.0	26.3	39.3	49.1	51.5	52.8	52.8	54.0	54.3	54.4	54.4	54.5	54.5	54.7	54.8	54.8
GE 14000	.0	26.3	39.3	49.1	51.5	52.8	52.8	54.0	54.3	54.4	54.4	54.5	54.5	54.7	54.8	54.8
GE 12000	.0	26.5	39.6	49.6	52.0	53.3	53.3	54.5	54.8	55.0	55.0	55.0	55.1	55.2	55.3	55.3
GE 10000	.0	27.8	42.1	52.5	55.1	56.5	56.6	57.9	58.2	58.3	58.3	58.4	58.4	58.6	58.6	58.7
GE 9000	.0	28.7	43.4	54.1	56.8	58.2	58.3	59.5	59.9	60.0	60.0	60.1	60.1	60.3	60.4	60.4
GE 8000	.0	29.9	45.5	56.8	59.4	61.0	61.0	62.4	62.8	62.9	63.0	63.1	63.1	63.3	63.4	63.4
GE 7000	.0	30.1	45.7	57.1	59.7	61.3	61.3	62.7	63.1	63.2	63.3	63.4	63.4	63.6	63.7	63.7
GE 6000	.0	30.1	45.8	57.2	59.8	61.4	61.4	62.8	63.2	63.3	63.4	63.5	63.5	63.7	63.8	63.8
GE 5000	.0	62.9	78.7	90.0	92.7	94.2	94.3	95.6	96.1	96.2	96.2	96.3	96.4	96.6	96.6	96.6
GE 4500	.0	62.9	78.7	90.1	92.8	94.3	94.4	95.7	96.1	96.3	96.3	96.4	96.5	96.6	96.7	96.7
GE 4000	.0	63.5	79.4	91.1	93.8	95.3	95.4	96.8	97.2	97.4	97.4	97.5	97.6	97.8	97.8	97.8
GE 3500	.0	63.5	79.5	91.3	94.1	95.6	95.7	97.0	97.5	97.6	97.6	97.8	97.8	98.0	98.1	98.1
GE 3000	.0	63.9	80.2	92.3	95.1	96.7	96.8	98.1	98.6	98.7	98.7	98.9	99.0	99.2	99.2	99.2
GE 2500	.0	63.9	80.2	92.4	95.2	96.8	96.9	98.2	98.7	98.8	98.8	99.0	99.1	99.3	99.3	99.3
GE 2000	.0	64.1	80.4	92.7	95.5	97.1	97.2	98.6	99.1	99.2	99.2	99.4	99.4	99.6	99.7	99.7
GE 1800	.0	64.1	80.4	92.7	95.5	97.2	97.2	98.6	99.1	99.2	99.2	99.4	99.5	99.7	99.7	99.7
GE 1500	.0	64.1	80.4	92.8	95.6	97.2	97.3	98.7	99.1	99.3	99.3	99.5	99.5	99.7	99.8	99.8
GE 1200	.0	64.1	80.4	92.8	95.6	97.2	97.3	98.7	99.1	99.3	99.3	99.5	99.5	99.7	99.8	99.8
GE 1000	.0	64.1	80.4	92.8	95.6	97.2	97.3	98.7	99.1	99.3	99.3	99.5	99.5	99.7	99.8	99.8
GE 900	.0	64.1	80.4	92.8	95.6	97.2	97.3	98.7	99.1	99.3	99.3	99.5	99.5	99.7	99.8	99.8
GE 800	.0	64.1	80.4	92.8	95.6	97.2	97.3	98.8	99.2	99.3	99.4	99.5	99.6	99.8	99.8	99.9
GE 700	.0	64.1	80.4	92.8	95.6	97.2	97.3	98.8	99.2	99.3	99.4	99.5	99.6	99.8	99.8	99.9
GE 600	.0	64.1	80.4	92.9	95.7	97.4	97.5	98.9	99.4	99.5	99.5	99.7	99.7	99.9	100.0	100.0
GE 500	.0	64.1	80.4	92.9	95.7	97.4	97.5	98.9	99.4	99.5	99.5	99.7	99.7	99.9	100.0	100.0
GE 400	.0	64.1	80.4	92.9	95.7	97.4	97.5	98.9	99.4	99.5	99.5	99.7	99.7	99.9	100.0	100.0
GE 300	.0	64.1	80.4	92.9	95.7	97.4	97.5	98.9	99.4	99.5	99.5	99.7	99.7	99.9	100.0	100.0
GE 200	.0	64.1	80.4	92.9	95.7	97.4	97.5	98.9	99.4	99.5	99.5	99.7	99.7	99.9	100.0	100.0
GE 100	.0	64.1	80.4	92.9	95.7	97.4	97.5	98.9	99.4	99.5	99.5	99.7	99.7	99.9	100.0	100.0
GE 0	.0	64.1	80.4	92.9	95.7	97.4	97.5	98.9	99.4	99.5	99.5	99.7	99.7	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 4684

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAR HOURS(IST): 0000-0200

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		21.4	27.5	32.5	33.5	35.1	35.1	35.7	35.9	35.9	35.9	35.9	35.9	36.0	36.0	36.0	
GE 20000		22.5	29.2	34.3	35.4	37.3	37.3	37.9	38.3	38.3	38.3	38.3	38.4	38.6	38.6	38.6	
GE 18000		22.5	29.2	34.3	35.4	37.3	37.3	37.9	38.3	38.3	38.3	38.3	38.4	38.6	38.6	38.6	
GE 16000		22.5	29.2	34.3	35.4	37.3	37.3	37.9	38.3	38.3	38.3	38.3	38.4	38.6	38.6	38.6	
GE 14000		22.5	29.2	34.3	35.4	37.3	37.3	37.9	38.3	38.3	38.3	38.3	38.4	38.6	38.6	38.6	
GE 12000		22.9	29.7	34.9	36.0	37.9	37.9	38.6	38.9	38.9	38.9	38.9	39.0	39.2	39.2	39.2	
GE 10000		24.4	31.9	38.1	39.4	41.3	41.3	41.9	42.2	42.2	42.2	42.2	42.4	42.5	42.5	42.5	
GE 9000		26.5	34.3	40.6	42.2	44.1	44.1	44.8	45.4	45.4	45.4	45.6	45.7	45.9	45.9	45.9	
GE 8000		30.5	39.0	46.5	48.1	50.3	50.3	51.0	51.6	51.6	51.6	51.7	51.9	52.1	52.1	52.1	
GE 7000		30.5	39.0	46.5	48.1	50.3	50.3	51.0	51.6	51.6	51.6	51.7	51.9	52.1	52.1	52.1	
GE 6000		30.5	39.5	47.0	48.6	50.8	50.8	51.4	52.1	52.1	52.1	52.2	52.4	52.5	52.5	52.5	
GE 5000		73.2	82.2	89.7	91.3	93.5	93.5	94.1	94.8	94.8	94.8	94.9	95.1	95.2	95.2	95.2	
GE 4500		73.2	82.2	89.8	91.4	93.7	93.7	94.3	94.9	94.9	94.9	94.9	95.1	95.2	95.4	95.4	
GE 4000		74.0	83.3	91.3	92.9	95.1	95.1	95.7	96.3	96.3	96.3	96.5	96.7	97.0	97.0	97.0	
GE 3500		74.1	83.5	91.4	93.0	95.4	95.4	96.0	96.7	96.8	96.8	97.0	97.1	97.5	97.5	97.5	
GE 3000		75.1	84.8	92.9	94.4	96.8	96.8	97.5	98.1	98.3	98.3	98.4	98.6	98.9	98.9	98.9	
GE 2500		75.1	84.8	93.3	94.9	97.3	97.3	97.9	98.6	98.7	98.7	98.9	99.0	99.4	99.4	99.4	
GE 2000		75.1	84.8	93.3	94.9	97.3	97.3	97.9	98.6	98.7	98.7	98.9	99.0	99.4	99.4	99.4	
GE 1800		75.1	84.8	93.3	94.9	97.3	97.3	97.9	98.6	98.7	98.7	98.9	99.0	99.4	99.4	99.4	
GE 1600		75.1	84.8	93.3	94.9	97.3	97.3	97.9	98.6	98.7	98.7	98.9	99.0	99.4	99.4	99.4	
GE 1400		75.1	84.8	93.3	94.9	97.3	97.3	97.9	98.6	98.7	98.7	98.9	99.0	99.4	99.4	99.4	
GE 1200		75.1	84.8	93.3	94.9	97.3	97.3	97.9	98.6	98.7	98.7	98.9	99.0	99.4	99.4	99.4	
GE 1000		75.1	84.8	93.3	94.9	97.3	97.3	97.9	98.6	98.7	98.7	98.9	99.0	99.4	99.4	99.4	
GE 900		75.1	84.8	93.3	94.9	97.8	97.8	98.4	99.0	99.2	99.2	99.4	99.5	99.8	99.8	99.8	
GE 800		75.1	84.8	93.3	94.9	97.8	97.8	98.4	99.0	99.2	99.2	99.4	99.5	99.8	99.8	99.8	
GE 700		75.1	84.8	93.3	94.9	97.8	97.8	98.4	99.0	99.2	99.2	99.4	99.5	99.8	99.8	99.8	
GE 600		75.1	84.8	93.3	94.9	97.8	97.8	98.4	99.0	99.2	99.2	99.4	99.5	99.8	99.8	99.8	
GE 500		75.1	84.8	93.3	94.9	97.8	97.8	98.4	99.0	99.2	99.2	99.4	99.5	99.8	99.8	99.8	
GE 400		75.1	84.8	93.5	95.1	97.9	97.9	98.6	99.2	99.4	99.4	99.5	99.7	100.0	100.0	100.0	
GE 300		75.1	84.8	93.5	95.1	97.9	97.9	98.6	99.2	99.4	99.4	99.5	99.7	100.0	100.0	100.0	
GE 200		75.1	84.8	93.5	95.1	97.9	97.9	98.6	99.2	99.4	99.4	99.5	99.7	100.0	100.0	100.0	
GE 100		75.1	84.8	93.5	95.1	97.9	97.9	98.6	99.2	99.4	99.4	99.5	99.7	100.0	100.0	100.0	
GE 0		75.1	84.8	93.5	95.1	97.9	97.9	98.6	99.2	99.4	99.4	99.5	99.7	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 630

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAR HOURS(LST): 0300-0500

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	25.6	32.3	36.1	37.5	38.2	38.2	38.6	39.0	39.0	39.0	39.0	39.0	39.0	39.1	39.1	39.1
GE 20000	26.7	33.4	37.4	38.8	40.2	40.2	40.7	41.0	41.0	41.0	41.0	41.0	41.2	41.2	41.2	41.2
GE 18000	26.7	33.4	37.4	38.8	40.2	40.2	40.7	41.0	41.0	41.0	41.0	41.0	41.2	41.2	41.2	41.2
GE 16000	26.7	33.4	37.4	38.8	40.2	40.2	40.7	41.0	41.0	41.0	41.0	41.0	41.2	41.2	41.2	41.2
GE 14000	26.8	33.6	37.5	39.0	40.4	40.4	40.9	41.2	41.2	41.2	41.2	41.2	41.3	41.3	41.3	41.3
GE 12000	27.4	34.2	38.2	39.6	41.0	41.0	41.5	41.8	41.8	41.8	41.8	41.8	41.8	42.0	42.0	42.0
GE 10000	29.7	37.1	41.3	43.2	44.6	44.6	45.1	45.4	45.6	45.6	45.6	45.6	45.6	45.7	45.7	45.7
GE 9000	31.2	39.0	43.5	45.7	47.2	47.2	48.1	48.6	48.7	48.7	48.7	48.7	48.7	48.9	48.9	48.9
GE 8000	35.6	44.5	49.4	51.6	53.3	53.3	54.4	54.9	55.0	55.0	55.0	55.0	55.0	55.2	55.2	55.2
GE 7000	36.1	45.1	50.0	52.2	53.9	53.9	55.0	55.5	55.7	55.7	55.7	55.7	55.7	55.8	55.8	55.8
GE 6000	36.1	45.1	50.0	52.2	53.9	53.9	55.0	55.5	55.7	55.7	55.7	55.7	55.7	55.8	55.8	55.8
GE 5000	76.2	85.2	90.2	92.4	94.2	94.2	95.3	95.7	95.9	95.9	95.9	95.9	95.9	96.1	96.1	96.1
GE 4500	76.2	85.2	90.2	92.4	94.2	94.2	95.3	95.7	95.9	95.9	95.9	95.9	95.9	96.1	96.1	96.1
GE 4000	77.8	87.1	92.1	94.3	96.1	96.1	97.5	97.9	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3
GE 3500	77.8	87.1	92.1	94.3	96.1	96.1	97.5	97.9	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3
GE 3000	78.1	87.4	92.6	94.8	96.5	96.5	97.9	98.6	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9
GE 2500	78.1	87.4	92.7	95.0	96.7	96.7	98.1	98.7	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1
GE 2000	78.1	87.4	92.7	95.0	96.7	96.7	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
GE 1800	78.1	87.4	92.7	95.0	96.7	96.7	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
GE 1500	78.1	87.4	92.7	95.0	96.7	96.7	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
GE 1200	78.1	87.4	92.7	95.0	96.7	96.7	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
GE 1000	78.1	87.4	92.7	95.0	96.7	96.7	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
GE 900	78.1	87.4	92.7	95.0	96.7	96.7	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
GE 800	78.1	87.4	92.7	95.0	96.7	96.7	98.1	98.7	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
GE 700	78.1	87.4	92.7	95.0	96.8	96.8	98.3	99.1	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
GE 600	78.1	87.4	92.7	95.0	97.2	97.2	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 500	78.1	87.4	92.7	95.0	97.2	97.2	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 400	78.1	87.4	92.7	95.0	97.2	97.2	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 300	78.1	87.4	92.7	95.0	97.2	97.2	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 200	78.1	87.4	92.7	95.0	97.2	97.2	98.6	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
GE 100	78.1	87.4	92.7	95.0	97.2	97.2	98.6	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
GE 0	78.1	87.4	92.7	95.0	97.2	97.2	98.6	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 634

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAR HOURS(LST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 40	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		19.3	32.8	41.8	44.1	45.0	45.0	46.1	47.1	47.2	47.4	48.3	48.8	49.0	49.1	49.1	
GE 20000		20.9	36.6	48.7	52.1	53.2	53.2	54.7	55.6	55.8	55.9	56.9	57.4	57.5	57.7	57.7	
GE 18000		20.9	36.6	48.7	52.3	53.4	53.4	54.8	55.8	55.9	56.1	57.1	57.5	57.7	57.8	57.8	
GE 16000		20.9	36.6	48.7	52.3	53.4	53.4	54.8	55.8	55.9	56.1	57.1	57.5	57.7	57.8	57.8	
GE 14000		21.1	36.8	48.8	52.5	53.6	53.6	55.0	55.9	56.1	56.3	57.2	57.7	57.8	58.0	58.0	
GE 12000		21.7	37.6	49.6	53.2	54.4	54.4	55.8	56.7	56.9	57.1	58.0	58.5	58.6	58.8	58.8	
GE 10000		24.2	41.0	54.2	58.3	59.6	59.6	61.0	62.1	62.3	62.4	63.4	63.9	64.0	64.2	64.2	
GE 9000		25.8	43.1	56.7	61.0	62.4	62.4	63.9	65.1	65.3	65.5	66.6	67.0	67.2	67.4	67.4	
GE 8000		28.4	47.7	62.4	67.2	68.9	68.9	70.5	71.9	72.1	72.3	73.4	73.9	74.0	74.2	74.2	
GE 7000		28.5	47.9	62.9	67.7	69.4	69.4	71.0	72.4	72.6	72.7	73.9	74.3	74.5	74.6	74.6	
GE 6000		28.7	48.0	63.1	67.8	69.6	69.6	71.2	72.6	72.7	72.9	74.0	74.5	74.6	74.8	74.8	
GE 5000		48.3	67.7	82.7	87.5	89.2	89.2	90.8	92.2	92.4	92.6	93.7	94.1	94.3	94.5	94.5	
GE 4500		48.3	67.7	82.7	87.5	89.2	89.2	90.8	92.2	92.4	92.6	93.7	94.1	94.3	94.5	94.5	
GE 4000		49.8	69.3	84.5	89.5	91.6	91.6	93.2	94.6	94.8	94.9	96.0	96.5	96.7	96.8	96.8	
GE 3500		49.8	69.3	84.6	89.7	91.8	91.8	93.3	94.8	94.9	95.1	96.2	96.7	96.8	97.0	97.0	
GE 3000		49.8	69.4	85.7	91.0	93.0	93.0	94.8	96.2	96.4	96.5	97.6	98.1	98.3	98.4	98.4	
GE 2500		49.9	69.6	85.9	91.1	93.2	93.2	94.9	96.4	96.5	96.7	97.8	98.3	98.4	98.6	98.6	
GE 2000		50.1	69.7	86.2	91.4	93.5	93.5	95.2	96.7	96.8	97.0	98.1	98.6	98.7	98.9	98.9	
GE 1800		50.1	69.7	86.2	91.4	93.5	93.5	95.2	96.7	96.8	97.0	98.1	98.6	98.7	98.9	98.9	
GE 1500		50.1	69.7	86.2	91.4	93.5	93.5	95.2	96.7	96.8	97.0	98.1	98.6	98.7	98.9	98.9	
GE 1200		50.1	69.7	86.2	91.4	93.5	93.5	95.2	96.7	96.8	97.0	98.1	98.6	98.7	98.9	98.9	
GF 1000		50.2	69.9	86.4	91.6	93.7	93.7	95.4	97.0	97.1	97.3	98.4	98.9	99.0	99.2	99.2	
GE 900		50.2	69.9	86.4	91.6	93.7	93.7	95.4	97.0	97.1	97.3	98.4	98.9	99.0	99.2	99.2	
GF 800		50.2	69.9	86.4	91.6	93.7	93.7	95.4	97.0	97.1	97.3	98.4	98.9	99.0	99.2	99.4	
GE 700		50.2	69.9	86.4	91.6	93.7	93.7	95.4	97.0	97.1	97.3	98.4	98.9	99.0	99.2	99.4	
GF 600		50.2	69.9	86.4	91.6	94.0	94.0	95.7	97.5	97.6	97.8	98.9	99.5	99.7	99.8	99.8	
GE 500		50.2	69.9	86.4	91.6	94.0	94.0	95.7	97.5	97.6	97.8	98.9	99.5	99.7	99.8	99.8	
GF 400		50.2	69.9	86.4	91.6	94.0	94.0	95.7	97.5	97.6	97.8	98.9	99.5	99.7	99.8	99.8	
GE 300		50.2	69.9	86.4	91.6	94.0	94.0	95.7	97.5	97.6	97.8	98.9	99.5	99.7	99.8	99.8	
GF 200		50.2	69.9	86.4	91.6	94.0	94.0	95.7	97.5	97.6	97.8	98.9	99.5	99.7	99.8	99.8	
GF 100		50.2	69.9	86.4	91.6	94.0	94.0	95.7	97.6	97.8	97.9	99.0	99.7	99.8	100.0	100.0	
GF 0		50.2	69.9	86.4	91.6	94.0	94.0	95.7	97.6	97.8	97.9	99.0	99.7	99.8	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 631

GLOBAL CLIMATOLOGY PRINCH
USAF/ETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAR HOURS(IST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	FT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		13.6	28.0	43.3	46.4	49.2	49.2	50.5	52.2	53.1	53.3	53.4	53.7	53.7	53.7	53.7	
GE 20000		15.7	33.1	51.2	55.6	58.6	58.6	60.1	61.8	62.7	62.8	63.0	63.3	63.3	63.3	63.3	
GE 18000		15.7	33.1	51.4	55.7	58.8	58.8	60.2	62.0	62.8	63.0	63.1	63.4	63.4	63.4	63.4	
GE 16000		15.7	33.1	51.4	55.7	58.8	58.8	60.2	62.0	62.8	63.0	63.1	63.4	63.4	63.4	63.4	
GE 14000		15.7	33.1	51.4	55.7	58.8	58.8	60.2	62.0	62.8	63.0	63.1	63.4	63.4	63.4	63.4	
GE 12000		16.0	33.4	52.1	56.5	59.5	59.5	61.0	62.7	63.6	63.7	63.9	64.2	64.2	64.2	64.2	
GE 10000		17.0	35.7	55.7	60.5	63.9	63.9	65.6	67.8	68.7	69.8	68.9	69.2	69.2	69.2	69.2	
GE 9000		17.0	36.3	57.3	62.6	66.0	66.0	67.9	70.1	71.0	71.1	71.4	71.7	71.7	71.7	71.7	
GE 8000		18.4	39.8	62.8	69.1	73.0	73.0	75.5	77.9	78.8	79.0	79.2	79.5	79.5	79.5	79.5	
GE 7000		18.4	39.8	62.8	69.1	73.0	73.0	75.5	77.9	78.8	79.0	79.2	79.5	79.5	79.5	79.5	
GE 6000		18.4	39.8	62.8	69.1	73.0	73.0	75.5	77.9	78.8	79.0	79.2	79.5	79.5	79.5	79.5	
GE 5000		34.4	55.9	79.0	85.2	89.1	89.1	91.6	94.0	94.9	95.1	95.4	95.6	95.6	95.6	95.6	
GE 4500		34.7	56.2	79.2	85.5	89.4	89.4	91.9	94.3	95.2	95.4	95.6	95.9	95.9	95.9	95.9	
GE 4000		35.6	57.6	81.0	87.5	91.4	91.4	93.9	96.4	97.2	97.4	97.7	98.0	98.0	98.0	98.0	
GE 3500		35.7	57.8	81.4	88.1	92.0	92.0	94.5	97.0	97.8	98.0	98.3	98.5	98.5	98.5	98.5	
GE 3000		35.7	57.8	81.6	88.4	92.5	92.6	95.1	97.5	98.4	98.5	98.8	99.1	99.1	99.1	99.1	
GE 2500		35.7	58.3	82.1	89.0	93.0	93.2	95.6	98.1	99.0	99.1	99.4	99.7	99.7	99.7	99.7	
GE 2000		35.7	58.3	82.3	89.1	93.2	93.3	95.8	98.3	99.3	99.4	99.7	100.0	100.0	100.0	100.0	
GE 1800		35.7	58.3	82.3	89.1	93.2	93.3	95.8	98.3	99.3	99.4	99.7	100.0	100.0	100.0	100.0	
GE 1500		35.7	58.3	82.3	89.1	93.2	93.3	95.8	98.3	99.3	99.4	99.7	100.0	100.0	100.0	100.0	
GE 1200		35.7	58.3	82.3	89.1	93.2	93.3	95.8	98.3	99.3	99.4	99.7	100.0	100.0	100.0	100.0	
GE 1000		35.7	58.3	82.3	89.1	93.2	93.3	95.8	98.3	99.3	99.4	99.7	100.0	100.0	100.0	100.0	
GE 900		35.7	58.3	82.3	89.1	93.2	93.3	95.8	98.3	99.3	99.4	99.7	100.0	100.0	100.0	100.0	
GE 800		35.7	58.3	82.3	89.1	93.2	93.3	95.8	98.3	99.3	99.4	99.7	100.0	100.0	100.0	100.0	
GE 700		35.7	58.3	82.3	89.1	93.2	93.3	95.8	98.3	99.3	99.4	99.7	100.0	100.0	100.0	100.0	
GE 600		35.7	58.3	82.3	89.1	93.2	93.3	95.8	98.3	99.3	99.4	99.7	100.0	100.0	100.0	100.0	
GE 500		35.7	58.3	82.3	89.1	93.2	93.3	95.8	98.3	99.3	99.4	99.7	100.0	100.0	100.0	100.0	
GE 400		35.7	58.3	82.3	89.1	93.2	93.3	95.8	98.3	99.3	99.4	99.7	100.0	100.0	100.0	100.0	
GE 300		35.7	58.3	82.3	89.1	93.2	93.3	95.8	98.3	99.3	99.4	99.7	100.0	100.0	100.0	100.0	
GE 200		35.7	58.3	82.3	89.1	93.2	93.3	95.8	98.3	99.3	99.4	99.7	100.0	100.0	100.0	100.0	
GE 100		35.7	58.3	82.3	89.1	93.2	93.3	95.8	98.3	99.3	99.4	99.7	100.0	100.0	100.0	100.0	
GE AT		35.7	58.3	82.3	89.1	93.2	93.3	95.8	98.3	99.3	99.4	99.7	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 689

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAR HOURS(IST): 1200-1400

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	GT 160	GE 90	GE 80	GF 60	GE 40	GE 32	GF 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		19.3	32.8	40.4	42.7	44.6	44.7	46.0	46.9	46.9	46.9	46.9	46.9	46.9	47.1
GE 20000		20.6	38.0	48.2	50.8	52.9	53.1	54.4	55.3	55.3	55.3	55.3	55.3	55.3	55.4
GE 18000		20.6	38.1	48.5	51.1	53.2	53.4	54.7	55.8	55.8	55.8	55.8	55.8	55.8	56.0
GE 16000		20.6	38.1	48.5	51.1	53.2	53.4	54.7	55.8	55.8	55.8	55.8	55.8	55.8	56.0
GE 14000		20.6	38.1	48.5	51.1	53.2	53.4	54.7	55.8	55.8	55.8	55.8	55.8	55.8	56.0
GE 12000		21.0	38.8	49.4	51.9	54.1	54.2	55.5	56.7	56.7	56.7	56.7	56.7	56.7	56.8
GE 10000		22.3	41.0	52.5	55.4	57.7	57.8	59.4	60.6	60.6	60.6	60.6	60.6	60.6	60.7
GE 9000		22.6	41.6	53.4	57.1	60.1	60.4	62.2	63.3	63.3	63.3	63.3	63.3	63.3	63.5
GE 8000		24.7	45.6	59.0	64.0	67.1	67.3	69.1	70.2	70.2	70.2	70.2	70.2	70.2	70.4
GE 7000		24.7	45.6	59.1	64.2	67.2	67.5	69.2	70.4	70.4	70.4	70.4	70.4	70.4	70.5
GE 6000		24.7	45.6	59.1	64.2	67.2	67.5	69.2	70.4	70.4	70.4	70.4	70.4	70.4	70.5
GE 5000		49.9	70.9	84.5	89.5	92.5	92.8	94.5	95.7	95.7	95.7	95.7	95.7	95.7	95.8
GE 4500		49.9	70.9	84.5	89.5	92.5	92.8	94.5	95.7	95.7	95.7	95.7	95.7	95.7	95.8
GE 4000		51.4	72.9	86.8	91.9	95.0	95.3	97.0	98.1	98.1	98.1	98.1	98.1	98.1	98.3
GE 3500		51.4	72.9	86.9	92.1	95.1	95.4	97.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4
GE 3000		51.9	73.5	87.8	93.1	96.1	96.4	98.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4
GE 2500		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 2000		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 1800		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 1600		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 1400		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 1200		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 1000		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 900		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 800		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 700		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 600		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 500		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 400		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 300		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 200		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 100		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GF 0		52.2	73.8	88.3	93.7	96.7	97.0	98.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 695

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL	23.7	30.6	36.3	37.2	39.5	39.5	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
GE 20000	27.5	36.7	44.3	45.3	48.4	48.4	49.2	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6
GE 18000	27.5	36.7	44.3	45.3	48.4	48.4	49.2	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6
GE 16000	27.7	36.9	44.5	45.5	48.5	48.5	49.4	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8
GE 14000	27.7	36.9	44.5	45.5	48.5	48.5	49.4	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8
GE 12000	28.3	37.6	45.2	46.3	49.4	49.4	50.2	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6
GE 10000	30.6	40.7	48.9	50.4	53.5	53.5	54.5	54.9	54.9	55.1	55.4	55.4	55.4	55.4	55.4
GE 9000	32.1	42.9	51.6	53.1	56.2	56.2	57.2	57.7	57.7	57.8	58.1	58.1	58.1	58.1	58.1
GE 8000	36.4	48.6	59.5	61.1	64.3	64.3	65.6	66.0	66.0	66.1	66.4	66.6	66.6	66.6	66.6
GE 7000	36.4	48.8	59.8	61.4	64.6	64.6	65.9	66.3	66.3	66.4	66.7	66.9	66.9	66.9	66.9
GE 6000	36.6	48.9	60.0	61.5	64.7	64.7	66.0	66.4	66.4	66.6	66.9	67.0	67.0	67.0	67.0
GE 5000	65.0	77.3	88.4	90.0	93.1	93.1	94.4	94.8	94.8	95.1	95.4	95.6	95.6	95.6	95.6
GE 4500	65.0	77.3	88.4	90.0	93.1	93.1	94.4	94.8	94.8	95.1	95.4	95.6	95.6	95.6	95.6
GE 4000	66.4	79.2	90.4	92.7	95.8	95.8	97.3	97.7	97.7	98.0	98.3	98.4	98.4	98.4	98.4
GE 3500	66.9	79.6	90.8	93.1	96.3	96.3	97.7	98.3	98.3	98.6	98.9	99.0	99.0	99.0	99.0
GE 3000	67.7	80.5	91.7	94.0	97.1	97.1	98.6	99.1	99.1	99.4	99.7	99.9	99.9	99.9	99.9
GE 2500	67.7	80.5	91.7	94.0	97.1	97.1	98.6	99.1	99.1	99.4	99.7	99.9	99.9	99.9	99.9
GE 2000	67.7	80.5	91.7	94.0	97.1	97.1	98.7	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0
GE 1800	67.7	80.5	91.7	94.0	97.1	97.1	98.7	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0
GE 1500	67.7	80.5	91.7	94.0	97.1	97.1	98.7	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0
GE 1200	67.7	80.5	91.7	94.0	97.1	97.1	98.7	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0
GE 1000	67.7	80.5	91.7	94.0	97.1	97.1	98.7	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0
GE 900	67.7	80.5	91.7	94.0	97.1	97.1	98.7	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0
GE 800	67.7	80.5	91.7	94.0	97.1	97.1	98.7	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0
GE 700	67.7	80.5	91.7	94.0	97.1	97.1	98.7	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0
GE 600	67.7	80.5	91.7	94.0	97.1	97.1	98.7	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0
GE 500	67.7	80.5	91.7	94.0	97.1	97.1	98.7	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0
GE 400	67.7	80.5	91.7	94.0	97.1	97.1	98.7	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0
GE 300	67.7	80.5	91.7	94.0	97.1	97.1	98.7	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0
GE 200	67.7	80.5	91.7	94.0	97.1	97.1	98.7	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0
GE 100	67.7	80.5	91.7	94.0	97.1	97.1	98.7	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0
GE 0	67.7	80.5	91.7	94.0	97.1	97.1	98.7	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 697

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAR HOURS(IST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	57 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		17.8	24.6	30.3	32.0	33.3	33.3	33.4	33.7	33.7	33.7	33.7	33.9	34.2	34.2	34.2	
GE 20000		22.3	30.8	38.0	39.9	42.2	42.2	42.8	43.6	43.6	43.6	43.6	43.8	44.1	44.1	44.1	
GE 18000		22.3	30.8	38.0	39.9	42.2	42.2	42.8	43.6	43.6	43.6	43.6	43.8	44.1	44.1	44.1	
GE 16000		22.5	30.9	38.2	40.1	42.3	42.3	42.9	43.8	43.8	43.8	43.8	43.9	44.2	44.2	44.2	
GE 14000		22.8	31.4	38.6	40.5	42.8	42.8	43.3	44.2	44.2	44.2	44.2	44.4	44.7	44.7	44.7	
GE 12000		22.9	31.5	38.8	40.7	42.9	42.9	43.5	44.4	44.4	44.4	44.4	44.5	44.8	44.8	44.8	
GE 10000		29.3	33.7	41.6	43.5	45.9	45.9	46.4	47.5	47.5	47.5	47.6	47.8	48.1	48.1	48.1	
GE 9000		25.9	35.5	43.5	45.6	47.9	47.9	48.5	49.6	49.6	49.6	49.7	49.9	50.1	50.1	50.1	
GE 8000		24.8	39.9	49.3	51.5	54.1	54.1	55.2	56.2	56.2	56.2	56.7	56.8	57.1	57.1	57.1	
GE 7000		29.3	40.5	49.9	52.1	54.7	54.7	55.8	56.8	56.8	56.8	57.2	57.4	57.7	57.7	57.7	
GE 6000		29.3	40.5	49.9	52.1	54.7	54.7	55.8	56.8	56.8	56.8	57.2	57.4	57.7	57.7	57.7	
GE 5000		65.4	76.9	86.4	89.9	91.6	91.6	92.6	93.6	93.6	93.6	94.1	94.2	94.5	94.5	94.5	
GE 4500		65.4	77.1	86.5	89.1	91.7	91.7	92.8	93.8	93.8	93.8	94.2	94.4	94.7	94.7	94.7	
GE 4000		66.6	78.8	88.6	92.2	94.8	94.8	95.9	96.9	96.9	96.9	97.3	97.6	97.9	97.9	97.9	
GE 3500		66.7	79.0	88.8	92.3	95.0	95.0	96.0	97.2	97.2	97.2	97.8	98.1	98.4	98.4	98.4	
GE 3000		67.5	79.7	89.6	93.3	96.0	96.0	97.0	98.2	98.2	98.2	98.8	99.1	99.4	99.4	99.4	
GE 2500		67.5	79.7	89.6	93.3	96.0	96.0	97.0	98.2	98.2	98.2	98.8	99.1	99.4	99.4	99.4	
GE 2000		67.5	79.7	89.6	93.3	96.0	96.0	97.0	98.2	98.2	98.2	98.8	99.1	99.4	99.4	99.4	
GE 1800		67.5	79.7	89.6	93.3	96.0	96.0	97.0	98.2	98.2	98.2	98.8	99.1	99.4	99.4	99.4	
GE 1500		67.5	79.7	89.6	93.3	96.0	96.0	97.0	98.2	98.2	98.2	98.8	99.1	99.4	99.4	99.4	
GE 1200		67.5	79.7	89.6	93.3	96.0	96.0	97.0	98.2	98.2	98.2	98.8	99.1	99.4	99.4	99.4	
GE 1000		67.5	79.7	89.6	93.3	96.0	96.0	97.0	98.2	98.2	98.2	98.8	99.1	99.4	99.4	99.4	
GE 900		67.5	79.7	89.6	93.3	96.0	96.0	97.0	98.2	98.2	98.2	98.8	99.1	99.4	99.4	99.4	
GE 800		67.6	79.9	89.8	93.5	96.2	96.2	97.2	98.4	98.4	98.4	99.0	99.3	99.6	99.6	99.6	
GE 700		67.6	79.9	89.9	93.6	96.3	96.3	97.3	98.5	98.5	98.5	99.1	99.4	99.7	99.7	99.7	
GE 600		67.6	79.9	90.1	93.8	96.4	96.4	97.5	98.7	98.7	98.7	99.3	99.6	99.9	99.9	99.9	
GE 500		67.6	79.9	90.1	93.9	96.6	96.6	97.6	98.8	98.8	98.8	99.4	99.7	100.0	100.0	100.0	
GE 400		67.6	79.9	90.1	93.9	96.6	96.6	97.6	98.8	98.8	98.8	99.4	99.7	100.0	100.0	100.0	
GE 300		67.6	79.9	90.1	93.9	96.6	96.6	97.6	98.8	98.8	98.8	99.4	99.7	100.0	100.0	100.0	
GE 200		67.6	79.9	90.1	93.9	96.6	96.6	97.6	98.8	98.8	98.8	99.4	99.7	100.0	100.0	100.0	
GE 100		67.6	79.9	90.1	93.9	96.6	96.6	97.6	98.8	98.8	98.8	99.4	99.7	100.0	100.0	100.0	
GE 0		67.6	79.9	90.1	93.9	96.6	96.6	97.6	98.8	98.8	98.8	99.4	99.7	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 676

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAR HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	25.2	33.1	37.8	39.4	39.6	39.8	40.0	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 20000	27.2	35.4	40.6	42.2	42.7	42.7	42.9	43.6	43.6	43.6	43.6	44.1	44.1	44.1	44.1	44.1
GE 18000	27.2	35.4	40.6	42.2	42.7	42.7	42.9	43.6	43.6	43.6	43.6	44.1	44.1	44.1	44.1	44.1
GE 16000	27.2	35.4	40.6	42.2	42.7	42.7	42.9	43.6	43.6	43.6	43.6	44.1	44.1	44.1	44.1	44.1
GE 14000	27.2	35.4	40.6	42.2	42.7	42.7	42.9	43.6	43.6	43.6	43.6	44.1	44.1	44.1	44.1	44.1
GE 12000	28.0	36.3	41.5	43.2	43.6	43.6	43.8	44.5	44.5	44.5	44.5	45.0	45.0	45.0	45.0	45.0
GE 10000	28.9	38.0	43.8	45.4	46.0	46.0	46.4	47.1	47.1	47.1	47.1	47.6	47.6	47.6	47.6	47.6
GE 9000	30.1	39.7	45.6	47.3	47.9	47.9	48.2	48.9	48.9	48.9	48.9	49.4	49.4	49.4	49.4	49.4
GE 8000	33.1	43.5	50.9	52.7	53.6	53.6	54.1	54.9	54.9	54.9	54.9	55.2	55.6	55.6	55.6	55.6
GE 7000	33.6	43.9	51.7	53.5	54.4	54.4	54.9	55.6	55.6	55.6	55.6	55.9	56.4	56.4	56.4	56.4
GE 6000	33.7	44.1	51.8	53.6	54.6	54.6	55.0	55.8	55.8	55.8	56.1	56.5	56.5	56.5	56.5	56.5
GE 5000	70.7	81.0	89.1	90.9	91.8	91.8	92.2	93.0	93.0	93.0	93.3	93.8	93.8	93.8	93.8	93.8
GE 4500	70.7	81.0	89.1	90.9	91.8	91.8	92.2	93.0	93.0	93.0	93.3	93.8	93.8	93.8	93.8	93.8
GE 4000	71.9	82.5	91.5	93.5	94.5	94.5	95.0	95.7	95.7	95.7	96.0	96.5	96.5	96.5	96.5	96.5
GE 3500	71.9	82.7	91.8	93.9	95.0	95.0	95.4	96.2	96.2	96.2	96.5	97.0	97.0	97.0	97.0	97.0
GE 3000	72.2	83.7	93.3	95.4	96.7	96.7	97.1	98.0	98.0	98.0	98.3	98.8	98.8	98.8	98.8	98.8
GE 2500	72.3	83.9	93.5	95.6	96.8	97.0	97.4	98.3	98.3	98.3	98.6	99.1	99.1	99.1	99.1	99.1
GE 2000	72.3	84.0	93.6	95.7	97.0	97.1	97.6	98.5	98.5	98.5	98.8	99.2	99.2	99.2	99.2	99.2
GE 1800	72.3	84.0	93.6	95.7	97.0	97.1	97.6	98.5	98.5	98.5	98.8	99.2	99.2	99.2	99.2	99.2
GE 1600	72.3	84.0	93.6	95.7	97.0	97.1	97.6	98.5	98.5	98.5	98.8	99.2	99.2	99.2	99.2	99.2
GE 1400	72.3	84.0	93.6	95.7	97.0	97.1	97.6	98.5	98.5	98.5	98.8	99.2	99.2	99.2	99.2	99.2
GE 1200	72.3	84.0	93.6	95.7	97.0	97.1	97.6	98.5	98.5	98.5	98.8	99.2	99.2	99.2	99.2	99.2
GE 1000	72.3	84.0	93.6	95.7	97.0	97.1	97.6	98.5	98.5	98.5	98.8	99.2	99.2	99.2	99.2	99.2
GE 900	72.3	84.0	93.6	95.7	97.0	97.1	97.6	98.5	98.5	98.5	98.8	99.2	99.2	99.2	99.2	99.2
GE 800	72.3	84.0	93.6	95.7	97.0	97.1	97.6	98.5	98.5	98.5	98.8	99.2	99.2	99.2	99.2	99.2
GE 700	72.3	84.0	93.6	95.7	97.1	97.1	97.7	98.8	98.8	98.8	99.1	99.5	99.5	99.5	99.5	99.5
GE 600	72.3	84.0	93.6	95.7	97.1	97.3	97.7	98.8	98.8	98.8	99.1	99.5	99.5	99.5	99.5	99.5
GE 500	72.3	84.0	93.6	95.7	97.1	97.3	97.9	99.1	99.1	99.1	99.4	99.8	99.8	99.8	99.8	99.8
GE 400	72.3	84.0	93.6	95.7	97.1	97.3	97.9	99.1	99.1	99.1	99.4	99.8	99.8	99.8	99.8	99.8
GE 300	72.3	84.0	93.6	95.7	97.1	97.3	97.9	99.1	99.1	99.1	99.4	99.8	99.8	99.8	99.8	99.8
GE 200	72.3	84.0	93.6	95.7	97.1	97.3	97.9	99.1	99.1	99.1	99.4	99.8	99.8	99.8	99.8	99.8
GE 100	72.3	84.0	93.6	95.7	97.1	97.3	97.9	99.1	99.1	99.1	99.4	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 658

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAR HOURS(LST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		20.7	30.2	37.4	39.1	40.6	40.7	41.3	42.0	42.1	42.2	42.3	42.4	42.5	42.5	42.5	
GE 2000		72.9	34.2	43.0	45.2	47.1	47.1	48.0	48.8	48.9	48.9	49.1	49.3	49.4	49.4	49.4	
GE 1800		72.9	34.2	43.0	45.2	47.2	47.2	48.1	48.9	49.0	49.1	49.2	49.4	49.5	49.5	49.5	
GE 1600		72.9	34.3	43.1	45.3	47.2	47.2	48.1	48.9	49.0	49.1	49.2	49.4	49.5	49.5	49.5	
GE 1400		73.0	34.4	43.1	45.4	47.3	47.3	48.2	49.0	49.1	49.2	49.3	49.5	49.6	49.6	49.6	
GE 1200		73.5	34.9	43.8	46.1	48.0	48.0	48.9	49.7	49.8	49.9	50.0	50.2	50.3	50.3	50.3	
GE 1000		75.1	37.4	47.1	49.6	51.7	51.7	52.7	53.6	53.8	53.8	54.0	54.2	54.3	54.3	54.4	
GE 900		76.3	39.1	49.2	51.9	54.1	54.2	55.3	56.3	56.4	56.5	56.7	56.9	57.0	57.0	57.0	
GE 800		79.4	43.6	55.1	58.3	60.8	60.8	62.1	63.1	63.3	63.4	63.7	63.9	64.0	64.0	64.0	
GE 700		79.6	43.8	55.5	58.7	61.1	61.1	62.4	63.5	63.7	63.7	64.0	64.2	64.3	64.4	64.4	
GE 600		79.7	44.0	55.6	58.8	61.2	61.3	62.6	63.6	63.8	63.8	64.1	64.4	64.4	64.5	64.5	
GE 500		80.1	74.5	86.2	89.4	91.9	91.9	93.2	94.3	94.4	94.5	94.8	95.0	95.1	95.1	95.1	
GE 400		80.2	74.5	86.3	89.5	91.9	92.0	93.3	94.3	94.5	94.6	94.9	95.1	95.2	95.2	95.2	
GE 300		81.4	76.2	88.2	91.8	94.3	94.3	95.7	96.7	96.9	97.0	97.3	97.5	97.6	97.6	97.7	
GE 200		81.5	76.3	88.4	92.1	94.6	94.6	96.0	97.1	97.2	97.3	97.6	97.9	98.0	98.0	98.0	
GE 100		82.0	76.9	89.3	93.0	95.6	95.6	97.0	98.2	98.3	98.4	98.7	99.0	99.1	99.1	99.1	
GE 2500		62.1	77.1	89.6	93.3	95.9	95.9	97.3	98.4	98.6	98.7	99.0	99.2	99.4	99.4	99.4	
GE 2000		62.1	77.1	89.7	93.4	95.9	96.0	97.4	98.5	98.7	98.8	99.2	99.4	99.5	99.5	99.5	
GE 1800		62.1	77.1	89.7	93.4	95.9	96.0	97.4	98.5	98.7	98.8	99.2	99.4	99.5	99.5	99.5	
GE 1600		62.1	77.1	89.7	93.4	95.9	96.0	97.4	98.5	98.7	98.8	99.2	99.4	99.5	99.5	99.5	
GE 1400		62.1	77.1	89.7	93.4	95.9	96.0	97.4	98.5	98.7	98.8	99.2	99.4	99.5	99.5	99.5	
GE 1200		62.1	77.1	89.7	93.4	95.9	96.0	97.4	98.5	98.7	98.8	99.2	99.4	99.5	99.5	99.5	
GE 1000		62.1	77.2	89.7	93.4	96.0	96.0	97.4	98.6	98.8	98.9	99.2	99.4	99.5	99.5	99.6	
GE 900		62.1	77.2	89.7	93.4	96.0	96.1	97.5	98.6	98.8	98.9	99.2	99.5	99.6	99.6	99.6	
GE 800		62.1	77.2	89.7	93.4	96.0	96.1	97.5	98.6	98.9	98.9	99.3	99.5	99.6	99.6	99.7	
GE 700		62.1	77.2	89.7	93.4	96.1	96.2	97.6	98.7	98.9	99.0	99.4	99.6	99.7	99.7	99.8	
GE 600		62.1	77.2	89.8	93.4	96.2	96.3	97.6	98.9	99.1	99.1	99.5	99.7	99.8	99.8	99.9	
GE 500		62.1	77.2	89.8	93.5	96.2	96.3	97.7	98.9	99.1	99.2	99.5	99.8	99.9	99.9	99.9	
GE 400		62.1	77.2	89.8	93.5	96.2	96.3	97.7	98.9	99.1	99.2	99.5	99.8	99.9	99.9	99.9	
GE 300		62.1	77.2	89.8	93.5	96.2	96.3	97.7	98.9	99.1	99.2	99.5	99.8	99.9	99.9	99.9	
GE 200		62.1	77.2	89.8	93.5	96.2	96.3	97.7	98.9	99.1	99.2	99.5	99.8	99.9	99.9	100.0	
GE 100		62.1	77.2	89.8	93.5	96.2	96.3	97.7	98.9	99.2	99.2	99.6	99.8	99.9	100.0	100.0	
GE 0		62.1	77.2	89.8	93.5	96.2	96.3	97.7	98.9	99.2	99.2	99.6	99.8	99.9	100.0	100.0	
TOTAL NUMBER OF OBSERVATIONS: 5310																	

TOTAL NUMBER OF OBSERVATIONS: 5310

GLOBAL CLIMATOLOGY BRANCH
WAFSLAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404180 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84

MONTH: APR

HOURS(IST): 0000-0200

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		20.2	27.8	32.1	32.5	33.6	33.6	34.7	35.1	35.1	35.1	35.3	35.3	35.3	35.3	35.3	
GE 2000		20.7	29.1	34.0	34.7	36.3	36.8	37.9	38.3	38.3	38.3	38.5	38.5	38.5	38.5	38.7	
GE 1800		20.7	29.1	34.0	34.7	36.3	36.8	37.9	38.3	38.3	38.3	38.5	38.5	38.5	38.5	38.7	
GE 1600		20.7	29.1	34.0	34.7	36.3	36.8	37.9	38.3	38.3	38.3	38.5	38.5	38.5	38.5	38.7	
GE 1400		20.7	29.1	34.0	34.7	36.3	36.8	37.9	38.3	38.3	38.3	38.5	38.5	38.5	38.5	38.7	
GE 1200		21.2	29.6	34.5	35.1	37.0	37.4	38.5	39.0	39.0	39.0	39.1	39.1	39.1	39.1	39.3	
GE 1000		23.8	32.7	37.6	38.2	40.0	40.5	41.6	42.0	42.0	42.0	42.2	42.2	42.2	42.2	42.3	
GE 900		25.8	34.7	39.6	40.2	42.0	42.5	43.6	44.0	44.0	44.0	44.2	44.2	44.2	44.2	44.3	
GE 800		27.3	38.7	44.2	44.8	46.9	47.4	48.5	48.9	48.9	48.9	49.1	49.1	49.1	49.1	49.2	
GE 700		27.8	39.1	44.6	45.2	47.4	47.9	48.9	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.7	
GE 600		27.8	39.1	44.6	45.2	47.4	47.9	48.9	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.7	
GE 500		75.5	86.8	92.3	92.9	95.1	95.6	96.6	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.4	
GE 450		76.1	87.7	93.3	93.9	96.0	96.5	97.5	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.3	
GE 400		76.8	88.7	94.3	94.9	97.1	97.5	98.6	99.2	99.2	99.2	99.4	99.4	99.7	99.7	99.8	
GE 350		76.8	88.7	94.3	94.9	97.1	97.5	98.6	99.2	99.2	99.2	99.4	99.4	99.7	99.7	99.8	
GE 300		76.8	88.7	94.3	94.9	97.1	97.5	98.6	99.2	99.2	99.2	99.4	99.4	99.7	99.7	99.8	
GE 250		76.8	88.7	94.3	94.9	97.1	97.5	98.6	99.2	99.2	99.2	99.4	99.4	99.7	99.7	99.8	
GE 200		76.8	88.7	94.3	94.9	97.1	97.5	98.6	99.2	99.2	99.2	99.4	99.4	99.7	99.7	99.8	
GE 180		77.0	88.8	94.5	95.1	97.2	97.7	98.8	99.4	99.4	99.4	99.5	99.5	99.8	99.8	100.0	
GE 160		77.0	88.8	94.5	95.1	97.2	97.7	98.8	99.4	99.4	99.4	99.5	99.5	99.8	99.8	100.0	
GE 140		77.0	88.8	94.5	95.1	97.2	97.7	98.8	99.4	99.4	99.4	99.5	99.5	99.8	99.8	100.0	
GE 120		77.0	88.8	94.5	95.1	97.2	97.7	98.8	99.4	99.4	99.4	99.5	99.5	99.8	99.8	100.0	
GE 100		77.0	88.8	94.5	95.1	97.2	97.7	98.8	99.4	99.4	99.4	99.5	99.5	99.8	99.8	100.0	
GE 90		77.0	88.8	94.5	95.1	97.2	97.7	98.8	99.4	99.4	99.4	99.5	99.5	99.8	99.8	100.0	
GE 80		77.0	88.8	94.5	95.1	97.2	97.7	98.8	99.4	99.4	99.4	99.5	99.5	99.8	99.8	100.0	
GE 70		77.0	88.8	94.5	95.1	97.2	97.7	98.8	99.4	99.4	99.4	99.5	99.5	99.8	99.8	100.0	
GE 60		77.0	88.8	94.5	95.1	97.2	97.7	98.8	99.4	99.4	99.4	99.5	99.5	99.8	99.8	100.0	
GE 50		77.0	88.8	94.5	95.1	97.2	97.7	98.8	99.4	99.4	99.4	99.5	99.5	99.8	99.8	100.0	
GE 40		77.0	88.8	94.5	95.1	97.2	97.7	98.8	99.4	99.4	99.4	99.5	99.5	99.8	99.8	100.0	
GE 30		77.0	88.8	94.5	95.1	97.2	97.7	98.8	99.4	99.4	99.4	99.5	99.5	99.8	99.8	100.0	
GE 20		77.0	88.8	94.5	95.1	97.2	97.7	98.8	99.4	99.4	99.4	99.5	99.5	99.8	99.8	100.0	
GE 10		77.0	88.8	94.5	95.1	97.2	97.7	98.8	99.4	99.4	99.4	99.5	99.5	99.8	99.8	100.0	
GE 0		77.0	88.8	94.5	95.1	97.2	97.7	98.8	99.4	99.4	99.4	99.5	99.5	99.8	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 652

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: APR HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	25.8	32.3	35.0	36.3	37.5	37.5	38.3	38.4	38.4	38.4	38.4	38.6	38.6	38.6	38.6	38.6
GE 20000	26.7	33.6	38.1	39.0	40.4	40.4	41.2	41.4	41.4	41.4	41.4	41.5	41.5	41.5	41.5	41.5
GE 18000	26.7	33.6	38.1	39.0	40.4	40.4	41.2	41.4	41.4	41.4	41.4	41.5	41.5	41.5	41.5	41.5
GE 16000	26.7	33.6	38.1	39.0	40.4	40.4	41.2	41.4	41.4	41.4	41.4	41.5	41.5	41.5	41.5	41.5
GE 14000	26.7	33.6	38.1	39.2	40.6	40.6	41.4	41.5	41.5	41.5	41.5	41.7	41.7	41.7	41.7	41.7
GE 12000	27.2	34.1	38.6	39.5	40.9	40.9	41.7	41.8	41.8	41.8	41.8	42.1	42.1	42.1	42.1	42.1
GE 10000	30.7	38.4	43.1	44.0	45.4	45.4	46.3	46.5	46.5	46.5	46.5	46.8	46.8	46.8	46.8	46.8
GE 9000	32.3	40.4	45.1	46.0	47.4	47.4	48.3	48.5	48.5	48.5	48.5	48.8	48.8	48.8	48.8	48.8
GE 8000	34.6	44.3	49.1	50.0	51.4	51.4	52.3	52.5	52.5	52.5	52.5	52.8	52.8	52.8	52.8	52.9
GE 7000	34.7	44.4	49.2	50.2	51.5	51.5	52.5	52.6	52.6	52.6	52.6	52.9	52.9	52.9	52.9	53.1
GE 6000	35.0	44.8	49.5	50.5	51.9	51.9	52.8	52.9	52.9	52.9	52.9	53.2	53.2	53.2	53.2	53.4
GE 5000	78.7	88.4	93.2	94.1	95.5	95.5	96.5	96.6	96.6	96.6	96.6	96.9	96.9	96.9	96.9	97.1
GE 4500	79.3	89.0	93.8	94.8	96.1	96.1	97.1	97.2	97.2	97.2	97.2	97.5	97.5	97.5	97.5	97.7
GE 4000	80.6	90.4	95.2	96.1	97.7	97.7	98.6	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.2
GE 3500	80.6	90.4	95.2	96.1	97.7	97.7	98.6	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.2
GE 3000	80.7	90.6	95.4	96.5	98.0	98.0	98.9	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.5
GE 2500	80.9	90.7	95.5	96.6	98.1	98.1	99.1	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.7
GE 2000	80.9	90.7	95.5	96.6	98.1	98.1	99.1	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.7
GE 1800	80.9	90.7	95.5	96.6	98.1	98.1	99.1	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.7
GE 1500	80.9	90.7	95.5	96.6	98.1	98.1	99.1	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.7
GE 1200	80.9	90.7	95.5	96.6	98.1	98.1	99.1	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.7
GE 1000	80.9	90.7	95.5	96.6	98.1	98.1	99.1	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.7
GE 900	80.9	90.7	95.5	96.6	98.1	98.1	99.1	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.7
GE 800	80.9	90.7	95.5	96.6	98.1	98.1	99.1	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.7
GE 700	80.9	90.7	95.5	96.6	98.1	98.1	99.1	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.7
GE 600	80.9	90.7	95.5	96.6	98.1	98.1	99.1	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.7
GE 500	81.0	90.9	95.7	96.8	98.3	98.3	99.2	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.8
GE 400	81.0	90.9	95.7	96.8	98.3	98.3	99.2	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.8
GE 300	81.0	90.9	95.7	96.8	98.3	98.3	99.2	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.8
GE 200	81.0	90.9	95.7	96.8	98.3	98.3	99.2	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.8
GE 100	81.0	90.9	95.7	96.8	98.3	98.3	99.2	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	100.0
GE 0	81.0	90.9	95.7	96.8	98.3	98.3	99.2	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 648

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404330 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: APR HOURS(11ST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 100	GF 90	GE 80	GF 60	GE 48	GE 40	GE 32	GF 24	GE 20	GE 16	GE 12	GF 10	GE 8	GE 5	GE 4	GE 0	
NO CLIL		17.9	33.3	42.9	46.5	48.4	48.6	50.2	50.8	51.0	51.1	51.7	51.9	52.2	52.5	52.9	
GF 2000		20.5	38.9	50.5	54.7	57.1	57.3	59.2	59.8	60.3	60.5	61.1	61.3	61.6	61.9	62.2	
GF 1800		20.6	39.0	50.6	55.1	57.3	57.5	59.4	60.0	60.5	60.6	61.3	61.4	61.7	62.1	62.4	
GF 1600		20.6	39.0	50.6	55.1	57.3	57.5	59.4	60.0	60.5	60.6	61.3	61.4	61.7	62.1	62.4	
GF 1400		20.8	39.5	51.1	55.6	57.8	57.9	59.8	60.5	61.0	61.1	61.7	61.9	62.2	62.5	62.9	
GF 1200		20.8	39.8	51.6	56.0	58.3	58.4	60.3	61.0	61.4	61.6	62.2	62.4	62.7	63.0	63.3	
GF 1000		23.7	44.9	57.8	62.4	64.6	64.8	66.7	67.3	67.9	68.1	68.7	68.9	69.2	69.5	69.8	
GF 900		24.9	47.1	60.6	65.4	67.6	67.8	69.7	70.5	71.1	71.3	71.9	72.1	72.4	72.7	73.0	
GF 800		27.0	50.6	65.7	70.8	73.2	73.3	75.4	76.2	76.8	77.0	77.6	77.8	78.1	78.4	78.7	
GF 700		27.0	50.6	65.7	70.8	73.2	73.3	75.4	76.2	76.8	77.0	77.6	77.8	78.1	78.4	78.7	
GF 600		27.0	50.6	65.7	70.8	73.2	73.3	75.4	76.2	76.8	77.0	77.6	77.8	78.1	78.4	78.7	
GF 500		43.2	66.8	82.1	87.1	89.5	89.7	91.7	92.5	93.2	93.3	94.0	94.1	94.4	94.8	95.1	
GF 450		43.2	66.8	82.1	87.1	89.5	89.7	92.1	92.9	93.5	93.7	94.3	94.4	94.8	95.1	95.4	
GF 400		45.4	69.7	85.2	90.3	92.7	92.9	95.2	96.0	96.7	96.8	97.5	97.6	97.9	98.3	98.6	
GF 350		45.4	69.7	85.4	90.5	92.9	93.0	95.4	96.2	96.8	97.0	97.6	97.8	98.1	98.4	98.7	
GF 300		45.4	69.7	85.7	90.8	93.2	93.3	95.7	96.5	97.1	97.3	97.9	98.1	98.4	98.7	99.0	
GF 250		45.6	70.0	86.2	91.3	93.7	93.8	96.2	97.0	97.6	97.8	98.4	98.6	98.9	99.2	99.5	
GF 200		45.6	70.0	86.2	91.3	93.8	94.0	96.3	97.1	97.8	97.9	98.6	98.7	99.0	99.4	99.7	
GF 180		45.6	70.0	86.2	91.3	93.8	94.0	96.3	97.1	97.8	97.9	98.6	98.7	99.0	99.4	99.7	
GF 160		45.6	70.0	86.2	91.3	93.8	94.0	96.3	97.1	97.8	97.9	98.6	98.7	99.0	99.4	99.7	
GF 140		45.6	70.0	86.2	91.3	93.8	94.0	96.3	97.1	97.8	97.9	98.6	98.7	99.0	99.4	99.7	
GF 120		45.6	70.0	86.2	91.3	93.8	94.0	96.3	97.1	97.8	97.9	98.6	98.7	99.0	99.4	99.7	
GF 100		45.6	70.0	86.2	91.3	93.8	94.0	96.3	97.1	97.8	97.9	98.6	98.7	99.0	99.4	99.7	
GF 90		45.6	70.0	86.2	91.3	93.8	94.0	96.3	97.1	97.8	97.9	98.6	98.7	99.0	99.4	99.7	
GF 80		45.6	70.0	86.2	91.3	93.8	94.0	96.3	97.1	97.8	97.9	98.6	98.7	99.0	99.4	99.7	
GF 70		45.6	70.0	86.2	91.3	93.8	94.0	96.3	97.1	97.8	97.9	98.6	98.7	99.0	99.4	99.7	
GF 60		45.6	70.0	86.2	91.3	93.8	94.0	96.3	97.1	97.8	97.9	98.6	98.7	99.0	99.4	99.7	
GF 50		45.6	70.0	86.2	91.3	93.8	94.0	96.3	97.1	97.8	97.9	98.6	98.7	99.0	99.4	99.7	
GF 40		45.6	70.0	86.2	91.3	93.8	94.0	96.3	97.1	97.8	97.9	98.6	98.7	99.0	99.4	99.7	
GF 30		45.6	70.0	86.2	91.3	93.8	94.0	96.3	97.1	97.8	97.9	98.6	98.7	99.0	99.4	99.7	
GF 20		45.6	70.0	86.2	91.3	93.8	94.0	96.3	97.1	97.8	97.9	98.6	98.7	99.0	99.4	99.7	
GF 10		45.6	70.0	86.2	91.3	93.8	94.0	96.3	97.1	97.8	97.9	98.6	98.7	99.0	99.4	99.7	
GF 0		45.6	70.0	86.2	91.3	93.8	94.0	96.3	97.1	97.8	97.9	98.6	98.7	99.0	99.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 630

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404360 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: APR HOURS(IST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		19.0	26.1	40.4	43.3	45.6	46.6	48.3	49.7	50.3	50.4	50.7	51.0	51.5	51.6	52.2	
GE 2000	15.6	31.0	48.7	52.2	55.5	56.6	58.6	60.2	60.9	61.1	61.4	61.7	62.1	62.2	62.2	62.8	
GE 1800	15.6	31.2	49.1	52.6	56.0	57.0	59.0	60.6	61.4	61.5	61.8	62.1	62.5	62.7	63.3	63.3	
GE 1600	15.6	31.2	49.1	52.6	56.0	57.0	59.0	60.6	61.4	61.5	61.8	62.1	62.5	62.7	63.3	63.3	
GE 1400	15.6	31.5	49.4	52.9	56.3	57.3	59.3	60.9	61.7	61.8	62.1	62.4	62.8	63.0	63.6	63.6	
GE 1200	16.0	31.9	50.0	53.5	56.9	57.9	59.9	61.7	62.4	62.5	62.8	63.1	63.6	63.7	64.3	64.3	
GE 1000	17.6	34.5	53.6	57.6	61.4	62.4	64.4	66.2	66.9	67.1	67.3	67.6	68.1	68.2	68.8	68.8	
GE 900	18.5	35.9	56.0	60.1	63.8	64.9	67.2	69.4	70.1	70.3	70.6	70.8	71.3	71.4	72.0	72.0	
GE 800	20.3	38.8	60.6	65.2	69.2	70.3	72.7	74.9	75.7	75.8	76.1	76.4	76.8	77.0	77.6	77.6	
GE 700	20.4	38.9	60.8	65.3	69.4	70.4	72.9	75.1	75.8	75.9	76.2	76.5	77.0	77.1	77.7	77.7	
GE 600	20.4	39.2	61.1	65.6	69.7	70.7	73.2	75.4	76.1	76.2	76.5	76.8	77.3	77.4	78.0	78.0	
GE 500	38.9	57.7	79.6	84.1	88.2	89.2	91.7	93.9	94.6	94.8	95.0	95.3	95.8	95.9	96.5	96.5	
GE 450	39.2	58.0	79.9	84.4	88.8	89.8	92.4	94.6	95.3	95.5	95.8	96.1	96.5	96.6	97.2	97.2	
GE 400	39.5	58.6	80.8	85.3	89.8	90.8	93.4	95.8	96.5	96.6	96.9	97.2	97.7	97.8	98.4	98.4	
GE 350	39.5	58.6	80.8	85.3	89.8	90.8	93.4	95.8	96.5	96.6	96.9	97.2	97.7	97.8	98.4	98.4	
GE 300	39.5	59.0	81.3	85.9	90.4	91.4	94.0	96.4	97.1	97.2	97.5	97.8	98.3	98.4	99.0	99.0	
GE 250	39.5	59.0	81.6	86.2	90.7	91.7	94.3	96.6	97.4	97.5	97.8	98.1	98.5	98.7	99.3	99.3	
GE 200	39.5	59.0	81.6	86.2	90.7	91.7	94.3	96.6	97.4	97.5	97.8	98.1	98.5	98.7	99.3	99.3	
GE 180	39.5	59.0	81.6	86.2	90.7	91.7	94.3	96.6	97.4	97.5	97.8	98.1	98.5	98.7	99.3	99.3	
GE 150	39.5	59.0	81.6	86.2	90.7	91.7	94.3	96.6	97.4	97.5	97.8	98.1	98.5	98.7	99.3	99.3	
GE 120	39.5	59.0	81.6	86.2	90.7	91.7	94.3	96.6	97.4	97.5	97.8	98.1	98.5	98.7	99.3	99.3	
GE 100	39.5	59.0	81.6	86.2	90.7	91.7	94.3	96.6	97.4	97.5	97.8	98.1	98.5	98.7	99.3	99.3	
GE 90	39.7	59.2	81.6	86.3	90.8	91.8	94.5	96.8	97.5	97.7	98.0	98.3	98.7	98.8	99.4	99.4	
GE 80	39.7	59.2	81.6	86.3	90.8	91.8	94.5	96.8	97.5	97.7	98.0	98.3	98.7	98.8	99.4	99.4	
GE 70	39.7	59.2	81.6	86.3	90.8	91.8	94.5	96.8	97.5	97.7	98.0	98.3	98.7	98.8	99.4	99.4	
GE 60	39.7	59.2	81.6	86.3	90.8	91.8	94.5	96.8	97.5	97.7	98.0	98.3	98.7	98.8	99.4	99.4	
GE 50	39.7	59.2	81.6	86.3	90.8	91.8	94.5	96.8	97.5	97.7	98.0	98.3	98.7	98.8	99.4	99.4	
GE 40	39.7	59.2	81.6	86.3	90.8	91.8	94.5	96.8	97.5	97.7	98.0	98.3	98.7	98.8	99.4	99.4	
GE 30	39.7	59.2	81.6	86.3	90.8	91.8	94.5	96.8	97.5	97.7	98.0	98.3	98.7	98.8	99.4	99.4	
GE 20	39.7	59.2	81.6	86.3	90.8	91.8	94.5	96.8	97.5	97.7	98.0	98.3	98.7	98.8	99.4	99.4	
GE 10	39.7	59.2	81.6	86.3	90.8	91.8	94.5	96.8	97.5	97.7	98.0	98.3	98.7	98.8	99.4	99.4	
GE 0	39.7	59.2	81.6	86.3	90.8	91.8	94.5	96.8	97.5	97.7	98.0	98.3	98.7	98.8	99.4	99.4	
GE 0	39.7	59.2	81.6	86.3	90.8	91.8	94.5	96.8	97.5	97.7	98.0	98.3	98.7	98.8	99.4	99.4	

TOTAL NUMBER OF OBSERVATIONS: 686

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: APR HOURS(151): 1200-1400

CEILING FEET	VISIBILITY IN HUNDREDS OF METERS														
	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4
NO CELL	19.8	29.6	39.5	41.8	43.8	44.3	45.8	46.1	46.3	46.3	46.3	46.6	46.6	46.7	46.8
GE 20000	24.1	37.1	49.7	52.4	54.7	55.2	57.2	57.8	57.9	57.9	57.9	58.2	58.2	58.3	58.5
GE 18000	24.3	37.4	50.3	53.0	55.3	55.7	57.8	58.3	58.5	58.5	58.5	58.8	58.8	58.9	59.1
GE 16000	24.3	37.4	50.3	53.0	55.3	55.7	57.8	58.3	58.5	58.5	58.5	58.8	58.8	58.9	59.1
GE 14000	24.4	37.5	50.4	53.2	55.5	55.9	57.9	58.5	58.6	58.6	58.6	58.9	58.9	59.1	59.2
GE 12000	24.7	37.9	50.9	53.6	55.9	56.3	58.3	58.9	59.1	59.1	59.1	59.3	59.3	59.5	59.6
GE 10000	26.6	39.9	53.3	56.3	59.1	59.5	61.6	62.2	62.6	62.6	62.6	62.9	62.9	63.1	63.2
GE 9000	27.2	41.1	55.5	58.6	61.4	61.8	63.9	64.5	64.9	64.9	64.9	65.2	65.2	65.4	65.5
GE 8000	30.0	44.8	59.9	63.2	65.9	66.4	68.5	69.1	69.5	69.5	69.5	69.8	69.8	70.0	70.1
GE 7000	30.2	45.0	60.1	63.4	66.1	66.5	68.7	69.3	69.7	69.7	69.7	70.0	70.0	70.1	70.3
GE 6000	30.2	45.0	60.1	63.4	66.1	66.5	68.7	69.3	69.7	69.7	69.7	70.0	70.0	70.1	70.3
GE 5000	54.2	69.0	84.2	87.5	90.2	90.7	93.0	93.5	94.0	94.0	94.0	94.3	94.3	94.4	94.5
GE 4500	54.2	69.0	84.2	87.5	90.4	90.8	93.4	94.0	94.4	94.4	94.4	94.7	94.7	94.8	95.0
GE 4000	55.9	71.0	86.6	89.9	93.0	93.4	96.3	97.0	97.4	97.4	97.4	97.7	97.7	97.8	98.0
GE 3500	56.0	71.1	87.2	90.5	93.5	94.0	96.8	97.6	98.0	98.0	98.0	98.3	98.3	98.4	98.6
GE 3000	56.3	71.4	87.5	90.8	93.8	94.3	97.1	97.8	98.3	98.3	98.3	98.6	98.6	98.7	98.9
GE 2500	56.3	71.6	88.1	91.4	94.4	94.8	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.3	99.4
GE 2000	56.3	71.6	88.1	91.4	94.4	94.8	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.3	99.4
GE 1800	56.3	71.6	88.1	91.4	94.4	94.8	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.3	99.4
GE 1500	56.3	71.6	88.1	91.4	94.4	94.8	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.3	99.4
GE 1200	56.3	71.6	88.1	91.4	94.4	94.8	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.3	99.4
GE 1000	56.3	71.6	88.1	91.4	94.4	94.8	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.3	99.4
GE 900	56.3	71.6	88.1	91.4	94.4	94.8	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.3	99.4
GE 800	56.3	71.6	88.1	91.4	94.4	94.8	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.3	99.4
GE 700	56.3	71.6	88.1	91.4	94.4	94.8	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.3	99.4
GE 600	56.3	71.6	88.1	91.4	94.4	94.8	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.3	99.4
GE 500	56.3	71.6	88.1	91.4	94.4	94.8	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.3	99.4
GE 400	56.3	71.6	88.1	91.4	94.4	94.8	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.3	99.4
GE 300	56.3	71.6	88.1	91.4	94.4	94.8	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.3	99.4
GE 200	56.3	71.6	88.1	91.4	94.4	94.8	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.3	99.4
GE 100	56.3	71.6	88.1	91.4	94.4	94.8	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.3	99.4
GE 0	56.3	71.6	88.1	91.4	94.4	94.8	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404360 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: APR HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		24.0	32.0	38.4	40.6	41.2	41.3	41.9	41.9	42.1	42.1	42.4	42.4	42.5	42.5	42.5
GE 20000		27.4	38.9	49.6	52.5	53.1	53.3	53.9	54.1	54.3	54.3	54.6	54.6	54.7	54.7	54.7
GE 18000		27.8	39.4	50.2	53.1	53.7	53.9	54.4	54.7	54.9	54.9	55.2	55.2	55.3	55.3	55.3
GE 16000		27.8	39.4	50.2	53.1	53.7	53.9	54.4	54.7	54.9	54.9	55.2	55.2	55.3	55.3	55.3
GE 14000		27.9	39.7	50.7	53.6	54.1	54.3	54.9	55.2	55.3	55.3	55.6	55.6	55.7	55.7	55.7
GE 12000		28.4	40.3	51.2	54.1	54.7	54.9	55.5	55.7	55.9	55.9	56.2	56.2	56.3	56.3	56.3
GE 10000		30.6	43.7	55.0	58.4	59.4	59.5	60.6	60.8	61.0	61.0	61.3	61.3	61.6	61.6	61.7
GE 9000		33.0	46.6	58.1	61.4	62.4	62.6	63.6	63.9	64.0	64.0	64.5	64.5	64.8	64.8	64.9
GE 8000		35.5	49.8	61.6	65.4	66.5	66.7	67.8	68.3	68.4	68.4	68.9	68.9	69.1	69.1	69.3
GE 7000		35.7	49.9	61.9	65.6	66.8	67.0	68.1	68.6	68.7	68.7	69.1	69.1	69.4	69.4	69.6
GE 6000		35.7	49.9	61.9	65.6	66.8	67.0	68.1	68.6	68.7	68.7	69.1	69.1	69.4	69.4	69.6
GE 5000		60.1	74.4	86.3	90.1	91.3	91.4	92.6	93.0	93.2	93.2	93.6	93.6	93.9	93.9	94.0
GE 4500		60.1	74.5	86.5	90.2	91.6	91.7	92.9	93.3	93.4	93.4	93.9	93.9	94.2	94.2	94.3
GE 4000		61.4	76.4	89.2	93.3	94.6	94.8	96.2	96.8	96.9	96.9	97.4	97.4	97.8	97.8	98.0
GE 3500		61.4	76.6	89.4	93.4	94.8	94.9	96.4	96.9	97.1	97.1	97.5	97.5	98.0	98.0	98.1
GE 3000		61.7	77.0	90.0	94.0	95.3	95.5	96.9	97.5	97.7	97.7	98.1	98.1	98.5	98.5	98.7
GE 2500		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.0
GE 2000		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.0
GE 1800		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.0
GE 1600		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.1
GE 1400		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.1
GE 1200		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.1
GE 1000		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.1
GE 900		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.1
GE 800		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.1
GE 700		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.1
GE 600		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.1
GE 500		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.1
GE 400		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.1
GE 300		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.1
GE 200		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.1
GE 100		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.1
GE 0		61.7	77.0	90.2	94.3	95.6	95.8	97.2	97.8	98.0	98.0	98.4	98.4	98.8	98.8	99.1

TOTAL NUMBER OF OBSERVATIONS: 687

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: APR HOURS(LST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GL 80	GE 60	GE 49	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		17.9	25.8	33.3	34.4	35.7	35.7	36.4	36.7	36.9	36.9	36.9	36.9	37.0	37.0	37.0	
GE 20000		21.3	32.4	43.6	44.7	46.1	46.1	47.1	47.4	47.6	47.6	47.6	47.6	47.7	47.7	47.7	
GE 18000		21.3	32.4	43.6	44.7	46.1	46.1	47.1	47.4	47.6	47.6	47.6	47.6	47.7	47.7	47.7	
GE 16000		21.3	32.4	43.6	44.7	46.1	46.1	47.1	47.4	47.6	47.6	47.6	47.6	47.7	47.7	47.7	
GE 14000		21.3	32.4	43.6	44.7	46.2	46.2	47.3	47.6	47.7	47.7	47.7	47.7	47.9	47.9	47.9	
GE 12000		21.5	32.6	43.7	44.9	46.4	46.4	47.4	47.7	47.9	47.9	47.9	47.9	48.0	48.0	48.0	
GE 10000		22.8	34.4	46.1	47.6	49.6	49.6	51.1	51.4	51.6	51.6	51.7	51.7	51.9	51.9	51.9	
GE 9000		25.2	37.9	50.2	51.7	53.8	53.8	55.4	55.7	55.9	55.9	56.0	56.0	56.1	56.1	56.1	
GE 8000		28.6	41.8	54.4	56.0	58.2	58.2	60.0	60.4	60.6	60.6	60.7	60.7	61.2	61.2	61.2	
GE 7000		28.6	41.8	54.5	56.1	58.4	58.4	60.1	60.6	60.7	60.7	60.9	60.9	61.3	61.3	61.3	
GE 6000		28.6	41.8	54.5	56.1	58.4	58.4	60.1	60.6	60.7	60.7	60.9	60.9	61.3	61.3	61.3	
GE 5000		60.3	73.5	86.2	87.9	90.1	90.1	91.9	92.3	92.4	92.4	92.6	92.6	93.0	93.0	93.0	
GE 4500		60.3	73.5	86.2	87.9	90.1	90.1	91.9	92.3	92.4	92.4	92.6	92.6	93.0	93.0	93.0	
GE 4000		61.3	75.4	90.2	92.4	95.0	95.1	96.9	97.3	97.6	97.6	97.9	97.9	98.4	98.4	98.4	
GE 3500		61.3	75.4	90.5	92.9	95.4	95.6	97.3	98.1	98.4	98.4	98.7	98.7	99.1	99.1	99.1	
GE 3000		61.3	75.6	90.7	93.0	95.6	95.7	97.5	98.2	98.5	98.5	98.8	98.8	99.3	99.3	99.3	
GE 2500		61.3	75.6	90.7	93.0	95.6	95.7	97.5	98.2	98.5	98.5	98.8	98.8	99.3	99.3	99.3	
GE 2000		61.3	75.6	90.7	93.0	95.6	95.7	97.5	98.2	98.5	98.5	98.8	98.8	99.3	99.3	99.3	
GE 1800		61.3	75.6	90.7	93.0	95.6	95.7	97.5	98.2	98.5	98.5	98.8	98.8	99.3	99.3	99.3	
GE 1500		61.3	75.6	90.7	93.0	95.6	95.7	97.5	98.2	98.5	98.5	98.8	98.8	99.3	99.3	99.3	
GE 1200		61.3	75.6	90.7	93.0	95.6	95.7	97.5	98.2	98.5	98.5	98.8	98.8	99.3	99.3	99.3	
GE 1000		61.3	75.6	90.7	93.0	95.6	95.7	97.5	98.2	98.5	98.5	98.8	98.8	99.3	99.3	99.3	
GE 900		61.3	75.7	90.8	93.2	95.7	95.9	97.6	98.4	98.7	98.7	99.0	99.0	99.4	99.4	99.4	
GE 800		61.3	75.7	90.8	93.2	95.7	95.9	97.6	98.4	98.7	98.7	99.0	99.0	99.4	99.4	99.4	
GE 700		61.3	75.7	90.8	93.2	95.7	95.9	97.6	98.4	98.7	98.7	99.0	99.0	99.4	99.4	99.4	
GE 600		61.3	75.7	90.8	93.2	95.7	95.9	97.6	98.4	98.7	98.7	99.0	99.0	99.4	99.4	99.4	
GE 500		61.3	75.7	90.8	93.2	95.7	95.9	97.6	98.4	98.7	98.7	99.0	99.0	99.4	99.4	99.4	
GE 400		61.3	75.7	90.8	93.2	95.7	95.9	97.6	98.4	98.7	98.7	99.0	99.0	99.4	99.4	99.4	
GE 300		61.3	75.7	90.8	93.2	95.7	95.9	97.6	98.4	98.7	98.7	99.0	99.0	99.4	99.4	99.4	
GE 200		61.3	75.7	90.8	93.2	95.7	95.9	97.6	98.4	98.7	98.7	99.0	99.0	99.4	99.4	99.4	
GE 100		61.3	75.7	90.8	93.2	95.7	95.9	97.6	98.4	98.7	98.7	99.0	99.0	99.4	99.4	99.4	
GE 0		61.3	75.7	90.8	93.2	95.7	95.9	97.6	98.4	98.7	98.7	99.0	99.0	99.4	99.4	99.4	

TOTAL NUMBER OF OBSERVATIONS: 675

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: APR HOURS(IST): 2100-2300

CEILING FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	70	80	60	40	40	32	24	20	16	12	10	8	5	4	0
NO CIL	.2	23.9	33.6	41.2	42.9	43.8	43.8	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 2000	.2	25.8	37.6	45.8	47.6	48.6	48.6	49.5	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8
GE 1800	.2	25.8	37.6	45.8	47.6	48.6	48.6	49.5	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8
GE 1600	.2	25.8	37.6	45.8	47.6	48.6	48.6	49.5	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8
GE 1400	.2	25.8	37.6	45.8	47.6	48.6	48.6	49.5	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8
GE 1200	.2	26.1	37.9	46.1	47.9	48.9	48.9	49.8	50.0	50.0	50.0	50.2	50.2	50.2	50.2	50.2
GE 1000	.2	27.1	39.5	48.5	50.5	51.8	51.8	52.9	53.2	53.3	53.3	53.5	53.5	53.5	53.5	53.5
GE 900	.2	28.8	41.8	51.2	53.2	54.5	54.5	55.8	56.1	56.2	56.2	56.5	56.5	56.5	56.5	56.5
GE 800	.2	30.2	44.2	54.2	56.2	57.7	57.7	58.9	59.2	59.4	59.4	59.7	59.7	59.7	59.7	59.7
GE 700	.2	30.3	44.4	54.4	56.4	57.9	57.9	59.1	59.4	59.5	59.5	59.8	59.8	59.8	59.8	59.8
GE 600	.2	30.3	44.4	54.4	56.4	57.9	57.9	59.1	59.4	59.5	59.5	59.8	59.8	59.8	59.8	59.8
GE 500	.2	66.1	80.2	90.2	92.1	93.8	93.8	95.0	95.3	95.5	95.5	95.8	95.8	95.8	95.8	95.8
GE 450	.2	66.4	80.5	90.5	92.4	94.1	94.1	95.3	95.6	95.8	95.8	96.1	96.1	96.1	96.1	96.1
GE 400	.2	67.9	82.9	93.5	95.5	97.1	97.1	98.6	99.1	99.2	99.2	99.7	99.7	99.7	99.7	99.7
GE 350	.2	67.9	82.9	93.5	95.5	97.3	97.3	98.8	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8
GE 300	.2	67.9	82.9	93.5	95.5	97.3	97.3	98.8	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8
GE 250	.2	67.9	82.9	93.5	95.5	97.3	97.3	98.8	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8
GE 200	.2	67.9	82.9	93.6	95.6	97.4	97.4	98.9	99.4	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 180	.2	67.9	82.9	93.6	95.6	97.4	97.4	98.9	99.4	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 160	.2	67.9	82.9	93.6	95.6	97.4	97.4	98.9	99.4	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 140	.2	67.9	82.9	93.6	95.6	97.4	97.4	98.9	99.4	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 120	.2	67.9	82.9	93.6	95.6	97.4	97.4	98.9	99.4	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 100	.2	67.9	82.9	93.6	95.6	97.4	97.4	98.9	99.4	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 90	.2	67.9	82.9	93.6	95.6	97.4	97.4	98.9	99.4	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 80	.2	67.9	82.9	93.6	95.6	97.4	97.4	98.9	99.4	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 70	.2	67.9	82.9	93.6	95.6	97.4	97.4	98.9	99.4	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 60	.2	67.9	82.9	93.6	95.6	97.4	97.4	98.9	99.4	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 50	.2	67.9	82.9	93.6	95.6	97.4	97.4	98.9	99.4	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 40	.2	67.9	82.9	93.6	95.6	97.4	97.4	98.9	99.4	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 30	.2	67.9	82.9	93.6	95.6	97.4	97.4	98.9	99.4	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 20	.2	67.9	82.9	93.6	95.6	97.4	97.4	98.9	99.4	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 10	.2	67.9	82.9	93.6	95.6	97.4	97.4	98.9	99.4	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 0	.2	67.9	82.9	93.6	95.6	97.4	97.4	98.9	99.4	99.5	99.5	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 660

GLOBAL CLIMATOLOGY BRANCH
USAF/CLTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404340 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84

MONTH: APR

HOURS(IST):

ALL

CEILING VISIBILITY IN HUNDREDS OF METERS

CEILING FEET	1 100	GE 200	GE 400	GE 600	GE 800	GE 1000	GE 1200	GE 1400	GE 1600	GE 1800	GE 2000	GE 2200	GE 2400	GE 2600	GE 2800	GE 3000	GE 3200	GE 3400	GE 3600	GE 3800	GE 4000
NO CEIL	.0	20.4	30.0	37.9	39.8	41.2	41.4	42.5	42.9	43.1	43.1	43.3	43.4	43.5	43.6	43.7					
GE 20000	.0	22.8	34.8	45.1	47.3	49.1	49.4	50.7	51.2	51.4	51.4	51.6	51.7	51.9	51.9	52.1					
GE 18000	.0	22.9	35.0	45.3	47.6	49.3	49.6	50.9	51.4	51.6	51.6	51.9	51.9	52.1	52.1	52.2					
GE 16000	.0	22.9	35.0	45.3	47.6	49.3	49.6	50.9	51.4	51.6	51.6	51.9	51.9	52.1	52.1	52.2					
GE 14000	.0	22.9	35.2	45.5	47.8	49.5	49.8	51.1	51.6	51.8	51.9	52.1	52.2	52.3	52.4	52.5					
GE 12000	.0	23.2	35.5	45.9	48.2	49.9	50.2	51.5	52.1	52.3	52.3	52.5	52.6	52.8	52.8	53.0					
GE 10000	.0	25.3	38.5	49.4	51.9	54.0	54.3	55.7	56.3	56.6	56.6	56.8	56.9	57.1	57.2	57.3					
GE 9000	.0	26.9	40.7	52.1	54.5	56.7	57.0	58.5	59.1	59.4	59.5	59.7	59.8	60.0	60.1	60.2					
GE 8000	.0	29.2	44.1	56.3	59.0	61.2	61.5	63.1	63.9	64.1	64.4	64.5	64.7	64.7	64.9	65.1					
GE 7000	.0	29.3	44.2	56.4	59.2	61.4	61.7	63.3	64.0	64.2	64.3	64.6	64.7	64.8	64.9	65.1					
GE 6000	.0	29.4	44.3	56.5	59.3	61.5	61.8	63.4	64.0	64.3	64.4	64.6	64.7	64.9	65.0	65.2					
GE 5000	.0	59.5	74.5	86.7	89.4	91.7	92.0	93.6	94.3	94.5	94.6	94.9	95.0	95.1	95.2	95.4					
GE 4500	.0	59.7	74.7	87.0	89.7	92.0	92.3	94.0	94.7	95.0	95.0	95.3	95.4	95.6	95.7	95.9					
GE 4000	.0	61.0	76.5	89.3	92.2	94.6	94.9	96.7	97.5	97.8	97.9	98.1	98.2	98.5	98.6	98.7					
GE 3500	.0	61.0	76.5	89.5	92.4	94.8	95.1	96.9	97.7	98.0	98.1	98.4	98.5	98.7	98.8	99.0					
GE 3000	.0	61.1	76.7	89.7	92.6	95.1	95.4	97.2	98.0	98.3	98.3	98.7	98.7	99.0	99.1	99.3					
GE 2500	.0	61.1	76.8	90.0	92.9	95.3	95.6	97.4	98.2	98.5	98.6	98.9	99.0	99.2	99.3	99.5					
GE 2000	.0	61.1	76.8	90.0	92.9	95.3	95.6	97.5	98.3	98.6	98.6	98.9	99.0	99.3	99.3	99.5					
GE 1800	.0	61.1	76.8	90.0	92.9	95.3	95.6	97.5	98.3	98.6	98.6	98.9	99.0	99.3	99.3	99.5					
GE 1600	.0	61.2	76.8	90.0	92.9	95.3	95.6	97.5	98.3	98.6	98.6	98.9	99.0	99.3	99.4	99.6					
GE 1400	.0	61.2	76.8	90.0	92.9	95.3	95.6	97.5	98.3	98.6	98.6	98.9	99.0	99.3	99.4	99.6					
GE 1200	.0	61.2	76.8	90.0	92.9	95.3	95.6	97.5	98.3	98.6	98.6	98.9	99.0	99.3	99.4	99.6					
GE 1000	.0	61.2	76.8	90.0	92.9	95.3	95.6	97.5	98.3	98.6	98.6	98.9	99.0	99.3	99.4	99.6					
GE 900	.0	61.2	76.8	90.0	92.9	95.4	95.7	97.5	98.3	98.6	98.7	99.0	99.1	99.4	99.5	99.6					
GE 800	.0	61.2	76.8	90.0	92.9	95.4	95.7	97.5	98.3	98.6	98.7	99.0	99.1	99.4	99.5	99.6					
GE 700	.0	61.2	76.8	90.0	92.9	95.4	95.7	97.5	98.3	98.6	98.7	99.0	99.1	99.4	99.5	99.7					
GE 600	.0	61.2	76.8	90.0	92.9	95.4	95.7	97.5	98.3	98.6	98.7	99.0	99.1	99.4	99.5	99.7					
GE 500	.0	61.2	76.9	90.1	93.0	95.4	95.7	97.5	98.3	98.7	98.7	99.0	99.2	99.5	99.5	99.7					
GE 400	.0	61.2	76.9	90.1	93.0	95.4	95.7	97.5	98.3	98.7	98.7	99.0	99.2	99.5	99.5	99.7					
GE 300	.0	61.2	76.9	90.1	93.0	95.4	95.7	97.5	98.3	98.7	98.7	99.0	99.2	99.5	99.5	99.7					
GE 200	.0	61.2	76.9	90.1	93.0	95.4	95.7	97.5	98.3	98.7	98.7	99.0	99.2	99.5	99.6	99.8					
GE 100	.0	61.2	76.9	90.1	93.0	95.4	95.7	97.5	98.3	98.7	98.7	99.0	99.2	99.5	99.6	99.9					
GE 0	.0	61.2	76.9	90.1	93.0	95.4	95.7	97.5	98.4	98.7	98.7	99.0	99.2	99.5	99.6	100.0					

TOTAL NUMBER OF OBSERVATIONS: 5334

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAY HOURS(IST): 0000-0200

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	GT 160	GE 90	GE 30	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		70.9	27.5	31.4	32.1	32.6	32.8	34.0	34.2	34.6	34.6	34.8	34.8	34.9	34.9	35.1
GE 20000		21.5	28.5	33.1	34.0	34.5	34.6	36.0	36.2	36.7	36.7	36.8	36.8	37.0	37.0	37.1
GE 18000		21.5	28.5	33.1	34.0	34.5	34.6	36.0	36.2	36.7	36.7	36.8	36.8	37.0	37.0	37.1
GE 16000		21.5	28.5	33.1	34.0	34.5	34.6	36.0	36.2	36.7	36.7	36.8	36.8	37.0	37.0	37.1
GE 14000		21.5	28.5	33.1	34.0	34.5	34.6	36.0	36.2	36.7	36.7	36.8	36.8	37.0	37.0	37.1
GE 12000		21.8	29.0	33.5	34.5	34.9	35.1	36.5	36.7	37.1	37.1	37.3	37.3	37.4	37.4	37.6
GE 10000		24.0	31.4	36.2	37.3	37.8	38.1	39.5	39.6	40.1	40.1	40.2	40.2	40.4	40.4	40.6
GE 9000		25.7	33.2	38.4	39.5	39.9	40.2	41.8	42.0	42.4	42.4	42.6	42.6	42.7	42.7	42.9
GE 8000		26.5	34.6	40.7	42.1	42.6	42.9	44.9	45.1	45.6	45.6	45.7	45.9	46.0	46.0	46.3
GE 7000		26.7	34.9	41.0	42.4	42.9	43.2	45.2	45.4	45.9	45.9	46.0	46.2	46.3	46.3	46.6
GE 6000		26.7	34.9	41.0	42.4	43.1	43.4	45.4	45.6	46.0	46.0	46.2	46.3	46.5	46.5	46.8
GE 5000		77.5	85.8	91.9	93.3	93.9	94.2	96.3	96.4	96.9	96.9	97.0	97.2	97.3	97.3	97.7
GE 4500		77.5	85.8	91.9	93.3	93.9	94.2	96.3	96.4	96.9	96.9	97.0	97.2	97.3	97.3	97.7
GE 4000		78.8	87.4	93.4	95.0	95.8	96.1	98.1	98.3	98.8	98.8	98.9	99.1	99.2	99.2	99.5
GE 3500		78.8	87.4	93.4	95.0	95.8	96.1	98.1	98.3	98.8	98.8	98.9	99.1	99.2	99.2	99.5
GE 3000		78.9	87.7	93.6	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 2500		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 2000		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 1800		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 1600		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 1400		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 1200		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 1000		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 900		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 800		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 700		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 600		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 500		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 400		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 300		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 200		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 100		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0
GE 0		78.9	87.7	93.8	95.3	96.1	96.4	98.4	98.6	99.1	99.2	99.4	99.5	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 641

GLOBAL CLIMATOLOGY BRANCH
USAF/CLAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84

MONTH: MAY HOURS(IST): 0300-0500

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	.2	76.0	53.2	37.3	37.9	40.0	40.3	41.1	41.7	41.7	41.7	41.7	41.8	42.4	42.4	42.4	
GE 20000	.2	27.2	34.6	39.1	39.7	41.8	42.1	42.9	43.5	43.5	43.5	43.5	43.7	44.3	44.3	44.3	
GE 18000	.2	27.2	34.6	39.1	39.7	41.8	42.1	42.9	43.5	43.5	43.5	43.5	43.7	44.3	44.3	44.3	
GE 16000	.2	27.2	34.6	39.1	39.7	41.8	42.1	42.9	43.5	43.5	43.5	43.5	43.7	44.3	44.3	44.3	
GE 14000	.2	27.2	34.6	39.1	39.7	41.8	42.1	42.9	43.5	43.5	43.5	43.5	43.7	44.3	44.3	44.3	
GE 12000	.2	28.1	35.5	40.0	40.6	42.7	43.1	43.8	44.4	44.4	44.4	44.4	44.6	45.2	45.2	45.2	
GE 10000	.2	30.2	37.6	42.4	43.2	45.3	45.6	46.4	47.0	47.0	47.0	47.0	47.1	47.7	47.7	47.7	
GE 9000	.2	31.7	39.6	45.0	45.8	48.3	48.6	49.4	50.0	50.0	50.0	50.0	50.2	50.8	50.8	50.8	
GE 8000	.2	32.9	41.2	47.1	48.2	51.1	51.4	52.1	52.7	52.7	52.7	52.7	52.9	53.5	53.5	53.5	
GE 7000	.2	33.8	42.1	48.2	49.2	52.1	52.4	53.2	53.8	53.8	53.8	53.8	53.9	54.5	54.5	54.5	
GE 6000	.2	33.8	42.1	48.2	49.2	52.1	52.4	53.2	53.8	53.8	53.8	53.8	53.9	54.5	54.5	54.5	
GE 5000	.2	76.4	84.7	90.8	91.8	94.7	95.2	95.9	96.5	96.5	96.5	96.5	96.7	97.3	97.3	97.3	
GE 4500	.2	76.4	84.7	90.9	92.0	94.9	95.3	96.1	96.7	96.7	96.7	96.7	96.8	97.4	97.4	97.4	
GE 4000	.2	78.1	86.6	92.9	94.0	96.8	97.3	98.0	98.6	98.6	98.6	98.6	98.8	99.4	99.4	99.4	
GE 3500	.2	78.1	86.6	93.1	94.1	97.0	97.4	98.2	98.8	98.8	98.8	98.8	98.9	99.5	99.5	99.5	
GE 3000	.2	78.2	86.7	93.2	94.3	97.1	97.6	98.3	98.9	98.9	98.9	98.9	99.1	99.7	99.7	99.7	
GE 2500	.2	78.2	86.7	93.2	94.3	97.1	97.6	98.3	98.9	98.9	98.9	98.9	99.1	99.7	99.7	99.7	
GE 2000	.2	78.4	86.9	93.4	94.4	97.3	97.7	98.5	99.1	99.1	99.1	99.1	99.2	99.8	99.8	99.8	
GE 1800	.2	78.4	86.9	93.4	94.4	97.3	97.7	98.5	99.1	99.1	99.1	99.1	99.2	99.8	99.8	99.8	
GE 1600	.2	78.4	86.9	93.4	94.4	97.3	97.7	98.5	99.1	99.1	99.1	99.1	99.2	99.8	99.8	99.8	
GE 1400	.2	78.4	86.9	93.4	94.4	97.3	97.7	98.5	99.1	99.1	99.1	99.1	99.2	99.8	99.8	99.8	
GE 1200	.2	78.4	86.9	93.4	94.4	97.3	97.7	98.5	99.1	99.1	99.1	99.1	99.2	99.8	99.8	99.8	
GE 1000	.2	78.4	86.9	93.4	94.4	97.3	97.7	98.5	99.1	99.1	99.1	99.1	99.2	99.8	99.8	99.8	
GE 900	.2	78.4	86.9	93.4	94.4	97.3	97.7	98.5	99.1	99.1	99.1	99.1	99.2	99.8	99.8	99.8	
GE 800	.2	78.4	86.9	93.4	94.4	97.3	97.7	98.5	99.1	99.1	99.1	99.1	99.2	99.8	99.8	99.8	
GE 700	.2	78.4	86.9	93.4	94.4	97.3	97.7	98.5	99.1	99.1	99.1	99.1	99.2	99.8	99.8	99.8	
GE 600	.2	78.4	86.9	93.4	94.4	97.3	97.7	98.5	99.1	99.1	99.1	99.1	99.2	99.8	99.8	99.8	
GE 500	.2	78.4	86.9	93.4	94.4	97.3	97.7	98.5	99.1	99.1	99.1	99.1	99.2	99.8	99.8	99.8	
GE 400	.2	78.4	86.9	93.4	94.4	97.3	97.7	98.5	99.1	99.1	99.1	99.1	99.2	99.8	99.8	100.0	
GE 300	.2	78.4	86.9	93.4	94.4	97.3	97.7	98.5	99.1	99.1	99.1	99.1	99.2	99.8	99.8	100.0	
GE 200	.2	78.4	86.9	93.4	94.4	97.3	97.7	98.5	99.1	99.1	99.1	99.1	99.2	99.8	99.8	100.0	
GE 100	.2	78.4	86.9	93.4	94.4	97.3	97.7	98.5	99.1	99.1	99.1	99.1	99.2	99.8	99.8	100.0	
GE 0	.2	78.4	86.9	93.4	94.4	97.3	97.7	98.5	99.1	99.1	99.1	99.1	99.2	99.8	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 602

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAY HOURS(IST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		14.1	29.0	45.3	49.8	52.6	52.8	55.6	56.5	56.8	57.3	57.7	58.0	58.6	58.8	58.9	
GE 20000		16.4	33.1	52.2	58.2	61.7	62.0	65.0	65.9	66.2	66.6	67.2	67.5	68.1	68.7	68.9	
GE 18000		16.5	33.2	52.3	58.3	61.8	62.1	65.1	66.0	66.3	66.8	67.4	67.7	68.3	68.9	69.0	
GE 16000		16.5	33.2	52.3	58.3	61.8	62.1	65.1	66.0	66.3	66.8	67.4	67.7	68.3	68.9	69.0	
GE 14000		16.7	33.5	52.6	58.6	62.1	62.4	65.4	66.3	66.6	67.1	67.7	68.0	68.6	69.2	69.3	
GE 12000		17.3	34.1	53.2	59.2	62.7	63.0	66.0	66.9	67.2	67.7	68.3	68.6	69.2	69.8	69.9	
GE 10000		19.2	37.1	57.9	64.2	67.7	68.0	71.0	72.2	72.5	72.9	73.5	73.8	74.4	75.0	75.2	
GE 9000		20.3	38.8	60.5	67.2	70.8	71.1	74.1	75.3	75.6	76.1	76.7	77.0	77.6	78.2	78.3	
GE 8000		22.7	41.8	64.2	71.4	75.2	75.5	78.6	80.0	80.3	80.8	81.4	81.7	82.3	82.9	83.0	
GE 7000		23.0	42.1	64.5	71.7	75.5	75.8	78.9	80.3	80.6	81.1	81.7	82.0	82.6	83.2	83.3	
GE 6000		23.0	42.1	64.5	71.7	75.5	75.8	78.9	80.3	80.6	81.1	81.7	82.0	82.6	83.2	83.3	
GE 5000		36.2	55.3	77.9	85.1	88.9	89.2	92.3	93.7	94.0	94.4	95.0	95.3	95.9	96.5	96.7	
GE 4500		36.2	55.5	78.0	85.3	89.0	89.3	92.5	93.8	94.1	94.6	95.2	95.5	96.1	96.7	96.8	
GE 4000		38.0	57.7	80.5	87.7	91.4	91.7	95.0	96.4	96.7	97.1	97.7	98.0	98.6	99.2	99.4	
GE 3500		38.0	57.7	80.6	87.8	91.6	91.9	95.2	96.5	96.8	97.3	97.9	98.2	98.8	99.4	99.5	
GE 3000		38.0	57.7	80.8	88.0	91.7	92.0	95.3	96.7	97.0	97.4	98.0	98.3	98.9	99.5	99.7	
GE 2500		38.0	57.7	80.9	88.1	91.9	92.2	95.5	96.8	97.1	97.6	98.2	98.5	99.1	99.7	99.8	
GE 2000		38.2	57.9	81.1	88.3	92.0	92.3	95.6	97.0	97.3	97.7	98.3	98.6	99.2	99.8	100.0	
GE 1800		38.2	57.9	81.1	88.3	92.0	92.3	95.6	97.0	97.3	97.7	98.3	98.6	99.2	99.8	100.0	
GE 1500		38.2	57.9	81.1	88.3	92.0	92.3	95.6	97.0	97.3	97.7	98.3	98.6	99.2	99.8	100.0	
GE 1200		38.2	57.9	81.1	88.3	92.0	92.3	95.6	97.0	97.3	97.7	98.3	98.6	99.2	99.8	100.0	
GE 1000		38.2	57.9	81.1	88.3	92.0	92.3	95.6	97.0	97.3	97.7	98.3	98.6	99.2	99.8	100.0	
GE 900		38.2	57.9	81.1	88.3	92.0	92.3	95.6	97.0	97.3	97.7	98.3	98.6	99.2	99.8	100.0	
GE 800		38.2	57.9	81.1	88.3	92.0	92.3	95.6	97.0	97.3	97.7	98.3	98.6	99.2	99.8	100.0	
GE 700		38.2	57.9	81.1	88.3	92.0	92.3	95.6	97.0	97.3	97.7	98.3	98.6	99.2	99.8	100.0	
GE 600		38.2	57.9	81.1	88.3	92.0	92.3	95.6	97.0	97.3	97.7	98.3	98.6	99.2	99.8	100.0	
GE 500		38.2	57.9	81.1	88.3	92.0	92.3	95.6	97.0	97.3	97.7	98.3	98.6	99.2	99.8	100.0	
GE 400		38.2	57.9	81.1	88.3	92.0	92.3	95.6	97.0	97.3	97.7	98.3	98.6	99.2	99.8	100.0	
GE 300		38.2	57.9	81.1	88.3	92.0	92.3	95.6	97.0	97.3	97.7	98.3	98.6	99.2	99.8	100.0	
GE 200		38.2	57.9	81.1	88.3	92.0	92.3	95.6	97.0	97.3	97.7	98.3	98.6	99.2	99.8	100.0	
GE 100		38.2	57.9	81.1	88.3	92.0	92.3	95.6	97.0	97.3	97.7	98.3	98.6	99.2	99.8	100.0	
GE 0		38.2	57.9	81.1	88.3	92.0	92.3	95.6	97.0	97.3	97.7	98.3	98.6	99.2	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 665

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 464380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAY HOURS(IST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		13.2	31.3	47.2	53.2	55.9	56.3	60.8	61.8	62.7	62.8	63.1	63.4	63.6	63.6	63.9	
GE 20000		13.6	34.1	52.8	59.3	62.9	63.4	68.3	69.6	70.4	70.6	71.0	71.3	71.9	71.9	72.1	
GE 18000		13.6	34.2	53.0	59.5	63.2	63.6	68.6	69.9	70.7	70.9	71.3	71.6	72.1	72.1	72.4	
GE 16000		13.6	34.2	53.0	59.5	63.2	63.6	68.6	69.9	70.7	70.9	71.3	71.6	72.1	72.1	72.4	
GE 14000		13.6	34.2	53.0	59.5	63.2	63.6	68.6	69.9	70.7	70.9	71.3	71.6	72.1	72.1	72.4	
GE 12000		13.9	34.8	53.7	60.3	63.9	64.4	69.3	70.6	71.4	71.6	72.0	72.3	72.8	72.8	73.1	
GE 10000		15.0	38.0	57.7	64.2	68.0	68.5	73.6	74.8	75.8	76.0	76.4	76.7	77.2	77.2	77.5	
GE 9000		15.6	39.7	60.0	66.5	70.4	70.9	76.0	77.2	78.2	78.4	78.8	79.1	79.6	79.6	79.9	
GE 8000		16.3	40.5	61.7	68.3	72.3	72.7	77.8	79.2	80.2	80.3	80.8	81.0	81.6	81.6	81.9	
GE 7000		16.3	40.5	61.7	68.3	72.3	72.7	77.9	79.3	80.3	80.5	80.9	81.2	81.8	81.8	82.0	
GE 6000		16.3	40.5	61.7	68.3	72.3	72.7	77.9	79.3	80.3	80.5	80.9	81.2	81.8	81.8	82.0	
GE 5000		33.0	57.1	78.4	85.0	89.0	89.4	94.6	96.0	97.0	97.2	97.6	97.9	98.4	98.4	98.7	
GE 4500		33.0	57.1	78.4	85.0	89.0	89.4	94.6	96.0	97.0	97.2	97.6	97.9	98.4	98.4	98.7	
GE 4000		33.5	57.9	79.3	86.0	90.0	90.4	95.6	97.0	98.0	98.2	98.6	98.9	99.4	99.4	99.7	
GE 3500		33.5	57.9	79.5	86.1	90.1	90.5	95.8	97.2	98.2	98.3	98.7	99.0	99.6	99.6	99.9	
GE 3000		33.5	57.9	79.5	86.1	90.1	90.5	95.8	97.2	98.2	98.3	98.7	99.0	99.6	99.6	99.9	
GE 2500		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	
GE 2000		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	
GE 1800		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	
GE 1600		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	
GE 1400		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	
GE 1200		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	
GE 1000		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	
GE 900		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	
GE 800		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	
GE 700		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	
GE 600		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	
GE 500		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	
GE 400		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	
GE 300		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	
GE 200		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	
GE 100		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	
GE 0		33.5	57.9	79.6	86.3	90.2	90.7	95.9	97.3	98.3	98.4	98.9	99.2	99.7	99.7	100.0	

TOTAL NUMBER OF OBSERVATIONS: 707

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAY HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 49	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	22.6	36.7	46.0	48.4	50.2	50.5	52.4	52.6	52.9	52.9	53.1	53.1	53.1	53.1	53.1	53.3
GE 20000	24.5	41.8	53.0	55.8	57.9	58.2	60.5	60.7	60.9	60.9	61.2	61.2	61.2	61.2	61.2	61.4
GE 18000	24.5	42.0	53.4	56.2	58.3	58.6	60.9	61.1	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.8
GE 16000	24.5	42.0	53.4	56.2	58.3	58.6	60.9	61.1	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.8
GE 14000	24.7	42.1	53.6	56.3	58.4	58.7	61.1	61.2	61.5	61.5	61.8	61.8	61.8	61.8	61.8	61.9
GE 12000	25.2	42.8	54.3	57.0	59.1	59.4	61.8	61.9	62.2	62.2	62.5	62.5	62.5	62.5	62.5	62.6
GE 10000	26.5	45.6	57.6	60.7	62.9	63.2	65.6	65.7	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.4
GE 9000	27.2	46.9	59.3	62.3	64.6	64.9	67.2	67.4	67.6	67.6	67.9	67.9	67.9	67.9	67.9	68.1
GE 8000	27.9	47.6	60.7	63.9	66.1	66.4	68.8	68.9	69.2	69.2	69.5	69.5	69.5	69.5	69.5	69.6
GE 7000	27.9	47.6	60.7	63.9	66.1	66.4	68.8	68.9	69.2	69.2	69.5	69.5	69.5	69.5	69.5	69.6
GE 6000	27.9	47.6	60.7	63.9	66.1	66.4	68.8	68.9	69.2	69.2	69.5	69.5	69.5	69.5	69.5	69.6
GE 5000	56.3	76.0	89.1	92.3	94.6	94.8	97.2	97.4	97.6	97.6	97.9	97.9	97.9	97.9	97.9	98.0
GE 4500	56.3	76.0	89.1	92.3	94.6	94.8	97.2	97.4	97.6	97.6	97.9	97.9	97.9	97.9	97.9	98.0
GE 4000	57.3	77.7	90.8	94.0	96.2	96.5	98.9	99.0	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7
GE 3500	57.3	77.7	90.8	94.0	96.2	96.5	98.9	99.0	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7
GE 3000	57.3	77.7	90.9	94.1	96.4	96.7	99.0	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.9
GE 2500	57.3	77.7	90.9	94.1	96.4	96.7	99.0	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.9
GE 2000	57.3	77.7	90.9	94.1	96.4	96.7	99.0	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.9
GE 1800	57.3	77.7	90.9	94.1	96.4	96.7	99.0	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.9
GE 1500	57.3	77.7	90.9	94.1	96.4	96.7	99.0	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.9
GE 1200	57.3	77.7	90.9	94.1	96.4	96.7	99.0	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.9
GE 1000	57.3	77.8	91.1	94.3	96.5	96.8	99.2	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0
GE 900	57.3	77.8	91.1	94.3	96.5	96.8	99.2	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0
GE 800	57.3	77.8	91.1	94.3	96.5	96.8	99.2	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0
GE 700	57.3	77.8	91.1	94.3	96.5	96.8	99.2	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0
GE 600	57.3	77.8	91.1	94.3	96.5	96.8	99.2	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0
GE 500	57.3	77.8	91.1	94.3	96.5	96.8	99.2	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0
GE 400	57.3	77.8	91.1	94.3	96.5	96.8	99.2	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0
GE 300	57.3	77.8	91.1	94.3	96.5	96.8	99.2	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	57.3	77.8	91.1	94.3	96.5	96.8	99.2	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	57.3	77.8	91.1	94.3	96.5	96.8	99.2	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0
GE 0	57.3	77.8	91.1	94.3	96.5	96.8	99.2	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 717

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAY HOURS(LST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		28.7	37.4	41.1	41.7	44.0	44.0	45.0	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	
GF 20000		32.4	43.3	48.6	49.6	52.2	52.2	53.4	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	
GF 18000		32.4	43.3	48.6	49.6	52.2	52.2	53.4	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	
GF 16000		32.4	43.3	48.6	49.6	52.2	52.2	53.4	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	
GF 14000		32.4	43.3	48.6	49.6	52.2	52.2	53.4	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	
GF 12000		32.7	43.7	49.1	50.1	52.7	52.7	53.8	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	
GF 10000		34.8	47.9	54.1	55.6	58.3	58.5	59.7	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	
GE 9000		36.1	49.8	56.3	57.8	60.8	61.0	62.1	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.8	
GF 8000		37.2	51.1	57.9	59.5	62.6	62.7	63.9	64.3	64.6	64.6	64.6	64.7	64.7	64.7	64.7	
GF 7000		37.9	51.8	58.6	60.2	63.3	63.4	64.6	65.0	65.3	65.3	65.3	65.5	65.5	65.5	65.5	
GE 6000		37.9	51.8	58.6	60.2	63.3	63.4	64.6	65.0	65.3	65.3	65.3	65.5	65.5	65.5	65.5	
GF 5000		68.2	82.1	89.0	90.6	93.8	93.9	95.1	95.5	95.8	95.8	95.8	95.9	95.9	95.9	95.9	
GE 4500		68.2	82.1	89.1	90.7	93.9	94.0	95.2	95.6	95.9	95.9	95.9	96.1	96.1	96.1	96.1	
GF 4000		69.8	84.2	91.7	93.3	96.7	96.8	98.0	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.0	
GE 3500		69.8	84.2	91.7	93.3	96.7	96.8	98.0	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.0	
GE 3000		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 2500		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 2000		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 1800		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 1500		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 1200		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 1000		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 900		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 800		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GF 700		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 600		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 500		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 400		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 300		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 200		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 100		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GF 0		70.5	85.1	92.7	94.3	97.7	97.8	99.0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 689

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAY HOURS(IST): 1800-2000

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		24.5	33.3	37.1	38.3	39.4	39.7	40.6	41.5	41.5	41.8	41.9	41.9	41.9	41.9	41.9
GE 2000		27.0	38.4	43.0	44.4	46.6	46.9	47.9	49.0	49.0	49.3	49.4	49.4	49.4	49.4	49.4
GE 1800		27.0	38.4	43.0	44.4	46.6	46.9	47.9	49.0	49.0	49.3	49.4	49.4	49.4	49.4	49.4
GE 1600		27.0	38.4	43.0	44.4	46.6	46.9	47.9	49.0	49.0	49.3	49.4	49.4	49.4	49.4	49.4
GE 1400		27.0	38.4	43.0	44.4	46.6	46.9	47.9	49.0	49.0	49.3	49.4	49.4	49.4	49.4	49.4
GE 1200		27.1	38.9	43.7	45.2	47.4	47.7	48.7	49.7	49.7	50.0	50.1	50.1	50.1	50.1	50.1
GE 1000		28.7	41.3	46.8	48.2	50.4	50.7	51.8	52.8	52.8	53.1	53.2	53.2	53.2	53.2	53.2
GE 900		29.8	42.7	48.5	50.3	52.5	52.8	53.8	54.8	54.8	55.1	55.3	55.3	55.3	55.3	55.3
GE 800		31.7	45.5	51.3	53.1	55.3	55.6	56.7	57.9	58.1	58.4	58.5	58.5	58.5	58.5	58.5
GE 700		32.1	45.9	51.8	53.5	55.7	56.0	57.2	58.4	58.5	58.8	58.9	58.9	58.9	58.9	58.9
GE 600		32.3	46.0	51.9	53.7	55.9	56.2	57.3	58.5	58.7	58.9	59.1	59.1	59.1	59.1	59.1
GE 500		67.3	81.2	87.2	89.0	91.3	91.6	92.8	94.0	94.1	94.4	94.6	94.6	94.6	94.6	94.6
GE 450		67.4	81.8	88.1	90.2	92.7	93.0	94.3	95.5	95.6	95.9	96.0	96.0	96.0	96.0	96.0
GE 400		68.8	83.4	90.0	92.8	95.5	95.7	97.4	98.5	98.7	99.0	99.1	99.3	99.3	99.3	99.4
GE 350		68.8	83.4	90.0	92.8	95.5	95.7	97.4	98.5	98.7	99.0	99.1	99.3	99.3	99.3	99.4
GE 300		68.9	83.6	90.5	93.3	95.9	96.2	97.8	99.0	99.1	99.4	99.6	99.7	99.7	99.7	99.9
GE 250		68.9	83.6	90.5	93.3	95.9	96.2	97.8	99.0	99.1	99.4	99.6	99.7	99.7	99.7	99.9
GE 200		69.1	83.7	90.6	93.4	96.0	96.3	97.9	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0
GE 1800		69.1	83.7	90.6	93.4	96.0	96.3	97.9	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0
GE 1500		69.1	83.7	90.6	93.4	96.0	96.3	97.9	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0
GE 1200		69.1	83.7	90.6	93.4	96.0	96.3	97.9	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0
GE 1000		69.1	83.7	90.6	93.4	96.0	96.3	97.9	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0
GE 900		69.1	83.7	90.6	93.4	96.0	96.3	97.9	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0
GE 800		69.1	83.7	90.6	93.4	96.0	96.3	97.9	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0
GE 700		69.1	83.7	90.6	93.4	96.0	96.3	97.9	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0
GE 600		69.1	83.7	90.6	93.4	96.0	96.3	97.9	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0
GE 500		69.1	83.7	90.6	93.4	96.0	96.3	97.9	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0
GE 400		69.1	83.7	90.6	93.4	96.0	96.3	97.9	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0
GE 300		69.1	83.7	90.6	93.4	96.0	96.3	97.9	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0
GE 200		69.1	83.7	90.6	93.4	96.0	96.3	97.9	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0
GE 100		69.1	83.7	90.6	93.4	96.0	96.3	97.9	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0
GE N		69.1	83.7	90.6	93.4	96.0	96.3	97.9	99.1	99.3	99.6	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 642

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAY HOURS(IST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL T		23.1	28.9	34.5	35.1	36.5	36.5	37.8	38.4	38.7	38.7	39.0	39.0	39.2	39.2	39.3	
GE 20000		25.6	32.5	39.3	39.9	41.7	41.7	43.2	43.7	44.0	44.0	44.3	44.3	44.5	44.5	44.6	
GE 18000		25.6	32.5	39.3	39.9	41.7	41.7	43.2	43.7	44.0	44.0	44.3	44.3	44.5	44.5	44.6	
GE 16000		25.6	32.5	39.3	39.9	41.7	41.7	43.2	43.7	44.0	44.0	44.3	44.3	44.5	44.5	44.6	
GE 14000		25.6	32.5	39.3	39.9	41.7	41.7	43.2	43.7	44.0	44.0	44.3	44.3	44.5	44.5	44.6	
GE 12000		26.2	33.1	39.9	40.5	42.3	42.3	43.7	44.3	44.6	44.6	44.9	44.9	45.1	45.1	45.2	
GE 10000		29.0	36.4	44.2	44.9	46.7	46.7	48.5	49.2	49.6	49.6	49.9	49.9	50.1	50.1	50.2	
GE 9000		30.5	38.0	46.1	47.1	48.9	48.9	50.7	51.4	51.8	51.8	52.1	52.1	52.4	52.4	52.6	
GE 8000		33.0	40.5	49.3	50.4	52.3	52.3	54.2	55.1	55.5	55.5	55.8	55.8	56.1	56.1	56.3	
GE 7000		33.1	40.6	49.6	50.7	52.6	52.6	54.6	55.5	56.0	56.0	56.3	56.3	56.6	56.6	56.7	
GE 6000		33.1	40.6	49.6	50.7	52.6	52.6	54.6	55.5	56.0	56.0	56.3	56.3	56.6	56.6	56.7	
GE 5000		73.5	81.3	90.3	91.3	93.2	93.2	95.4	96.3	96.8	96.8	97.1	97.1	97.3	97.3	97.5	
GE 4500		73.8	81.7	90.7	91.8	93.7	93.7	95.9	96.8	97.2	97.2	97.5	97.5	97.8	97.8	97.9	
GE 4000		74.1	82.3	91.6	92.6	94.6	94.6	96.8	97.8	98.2	98.2	98.7	98.7	99.0	99.0	99.1	
GE 3500		74.2	82.5	91.8	92.8	94.7	94.7	96.9	97.9	98.4	98.4	98.8	98.8	99.1	99.1	99.3	
GE 3000		74.7	82.9	92.2	93.2	95.1	95.1	97.3	98.4	98.8	98.8	99.3	99.3	99.6	99.6	99.7	
GE 2500		74.8	83.1	92.3	93.4	95.3	95.3	97.5	98.5	99.0	99.0	99.4	99.4	99.7	99.7	99.9	
GE 2000		74.8	83.1	92.3	93.4	95.4	95.4	97.6	98.7	99.1	99.1	99.6	99.6	99.9	99.9	100.0	
GE 1800		74.8	83.1	92.3	93.4	95.4	95.4	97.6	98.7	99.1	99.1	99.6	99.6	99.9	99.9	100.0	
GE 1500		74.8	83.1	92.3	93.4	95.4	95.4	97.6	98.7	99.1	99.1	99.6	99.6	99.9	99.9	100.0	
GE 1200		74.8	83.1	92.3	93.4	95.4	95.4	97.6	98.7	99.1	99.1	99.6	99.6	99.9	99.9	100.0	
GE 1000		74.8	83.1	92.3	93.4	95.4	95.4	97.6	98.7	99.1	99.1	99.6	99.6	99.9	99.9	100.0	
GE 900		74.8	83.1	92.3	93.4	95.4	95.4	97.6	98.7	99.1	99.1	99.6	99.6	99.9	99.9	100.0	
GE 800		74.8	83.1	92.3	93.4	95.4	95.4	97.6	98.7	99.1	99.1	99.6	99.6	99.9	99.9	100.0	
GE 700		74.8	83.1	92.3	93.4	95.4	95.4	97.6	98.7	99.1	99.1	99.6	99.6	99.9	99.9	100.0	
GE 600		74.8	83.1	92.3	93.4	95.4	95.4	97.6	98.7	99.1	99.1	99.6	99.6	99.9	99.9	100.0	
GE 500		74.8	83.1	92.3	93.4	95.4	95.4	97.6	98.7	99.1	99.1	99.6	99.6	99.9	99.9	100.0	
GE 400		74.8	83.1	92.3	93.4	95.4	95.4	97.6	98.7	99.1	99.1	99.6	99.6	99.9	99.9	100.0	
GE 300		74.8	83.1	92.3	93.4	95.4	95.4	97.6	98.7	99.1	99.1	99.6	99.6	99.9	99.9	100.0	
GE 200		74.8	83.1	92.3	93.4	95.4	95.4	97.6	98.7	99.1	99.1	99.6	99.6	99.9	99.9	100.0	
GE 100		74.8	83.1	92.3	93.4	95.4	95.4	97.6	98.7	99.1	99.1	99.6	99.6	99.9	99.9	100.0	
GE 0		74.8	83.1	92.3	93.4	95.4	95.4	97.6	98.7	99.1	99.1	99.6	99.6	99.9	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 679

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: MAY HOURS(IST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	.0	21.6	52.2	40.1	42.2	44.1	44.3	46.1	46.7	47.0	47.1	47.3	47.4	47.6	47.6	47.8	
GE 20000	.0	23.5	35.9	45.3	47.8	50.1	50.4	52.4	53.1	53.3	53.5	53.7	53.8	54.0	54.1	54.2	
GE 18000	.0	23.5	36.0	45.4	47.9	50.3	50.5	52.5	53.2	53.5	53.6	53.8	53.9	54.2	54.2	54.3	
GE 16000	.0	23.5	36.0	45.4	47.9	50.3	50.5	52.5	53.2	53.5	53.6	53.8	53.9	54.2	54.2	54.3	
GE 14000	.0	23.6	36.0	45.5	48.0	50.3	50.5	52.6	53.2	53.5	53.6	53.9	54.0	54.2	54.3	54.4	
GE 12000	.0	24.0	36.6	46.1	48.6	51.0	51.2	53.2	53.9	54.2	54.3	54.5	54.6	54.9	54.9	55.0	
GE 10000	.0	25.9	39.5	49.8	52.5	54.9	55.1	57.2	57.9	58.3	58.4	58.6	58.7	59.0	59.0	59.2	
GE 9000	.0	27.1	41.2	51.9	54.8	57.3	57.5	59.6	60.3	60.7	60.8	61.0	61.1	61.4	61.5	61.6	
GE 8000	.0	28.5	42.9	54.3	57.3	59.9	60.1	62.4	63.1	63.5	63.6	63.9	64.0	64.3	64.3	64.5	
GE 7000	.0	28.8	43.3	54.7	57.7	60.3	60.5	62.8	63.6	63.9	64.0	64.3	64.4	64.7	64.8	64.9	
GE 6000	.0	28.8	43.3	54.7	57.7	60.3	60.6	62.8	63.6	64.0	64.1	64.3	64.4	64.7	64.8	64.9	
GE 5000	.0	60.8	75.3	86.8	89.8	92.4	92.7	95.0	95.7	96.1	96.2	96.5	96.6	96.9	96.9	97.1	
GE 4500	.0	60.9	75.5	87.0	90.0	92.7	93.0	95.3	96.0	96.4	96.5	96.7	96.9	97.2	97.2	97.4	
GE 4000	.0	62.0	77.0	88.7	91.9	94.6	94.9	97.2	98.0	98.4	98.5	98.8	98.9	99.2	99.3	99.4	
GE 3500	.0	62.1	77.0	88.8	92.0	94.7	94.9	97.3	98.1	98.5	98.6	98.8	99.0	99.3	99.3	99.5	
GE 3000	.0	62.3	77.3	89.1	92.3	95.0	95.3	97.6	98.4	98.8	98.9	99.2	99.3	99.6	99.7	99.8	
GE 2500	.0	62.3	77.3	89.2	92.4	95.1	95.3	97.7	98.5	98.9	99.0	99.2	99.4	99.7	99.7	99.9	
GE 2000	.0	62.3	77.3	89.3	92.4	95.1	95.4	97.8	98.6	98.9	99.1	99.3	99.5	99.7	99.8	100.0	
GE 1800	.0	62.3	77.3	89.3	92.4	95.1	95.4	97.8	98.6	98.9	99.1	99.3	99.5	99.7	99.8	100.0	
GE 1600	.0	62.3	77.3	89.3	92.4	95.1	95.4	97.8	98.6	98.9	99.1	99.3	99.5	99.7	99.8	100.0	
GE 1400	.0	62.3	77.3	89.3	92.4	95.1	95.4	97.8	98.6	98.9	99.1	99.3	99.5	99.7	99.8	100.0	
GE 1200	.0	62.3	77.3	89.3	92.4	95.1	95.4	97.8	98.6	98.9	99.1	99.3	99.5	99.7	99.8	100.0	
GE 1000	.0	62.3	77.4	89.3	92.4	95.1	95.4	97.8	98.6	99.0	99.1	99.3	99.5	99.8	99.8	100.0	
GE 900	.0	62.3	77.4	89.3	92.4	95.1	95.4	97.8	98.6	99.0	99.1	99.3	99.5	99.8	99.8	100.0	
GE 800	.0	62.3	77.4	89.3	92.4	95.1	95.4	97.8	98.6	99.0	99.1	99.3	99.5	99.8	99.8	100.0	
GE 700	.0	62.3	77.4	89.3	92.4	95.1	95.4	97.8	98.6	99.0	99.1	99.3	99.5	99.8	99.8	100.0	
GE 600	.0	62.3	77.4	89.3	92.4	95.1	95.4	97.8	98.6	99.0	99.1	99.3	99.5	99.8	99.8	100.0	
GE 500	.0	62.3	77.4	89.3	92.4	95.1	95.4	97.8	98.6	99.0	99.1	99.3	99.5	99.8	99.8	100.0	
GE 400	.0	62.3	77.4	89.3	92.4	95.1	95.4	97.8	98.6	99.0	99.1	99.3	99.5	99.8	99.8	100.0	
GE 300	.0	62.3	77.4	89.3	92.4	95.1	95.4	97.8	98.6	99.0	99.1	99.3	99.5	99.8	99.8	100.0	
GE 200	.0	62.3	77.4	89.3	92.4	95.1	95.4	97.8	98.6	99.0	99.1	99.3	99.5	99.8	99.8	100.0	
GE 100	.0	62.3	77.4	89.3	92.4	95.1	95.4	97.8	98.6	99.0	99.1	99.3	99.5	99.8	99.8	100.0	
GE 0	.0	62.3	77.4	89.3	92.4	95.1	95.4	97.8	98.6	99.0	99.1	99.3	99.5	99.8	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 5442

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84

MONTH: JUN HOURS(IST): 0000-0200

CEILING VISIBILITY IN HUNDREDS OF METERS

IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	.2	26.7	32.9	35.6	37.1	38.8	39.1	41.5	42.0	42.8	42.8	43.0	43.0	43.0	43.0	43.1
GE 20000	.2	26.7	32.9	35.6	37.1	38.8	39.1	41.5	42.0	42.8	42.8	43.0	43.0	43.0	43.0	43.1
GE 18000	.2	26.8	33.1	35.8	37.2	39.0	39.3	41.7	42.2	43.0	43.0	43.1	43.1	43.1	43.1	43.3
GE 16000	.2	26.8	33.1	35.8	37.2	39.0	39.3	41.7	42.2	43.0	43.0	43.1	43.1	43.1	43.1	43.3
GE 14000	.2	26.8	33.1	35.8	37.2	39.0	39.3	41.7	42.2	43.0	43.0	43.1	43.1	43.1	43.1	43.3
GE 12000	.2	27.0	33.2	35.9	37.4	39.1	39.5	41.9	42.3	43.1	43.1	43.3	43.3	43.3	43.3	43.5
GE 10000	.2	27.0	33.2	35.9	37.4	39.1	39.5	41.9	42.3	43.1	43.1	43.3	43.3	43.3	43.3	43.5
GE 9000	.2	27.2	33.4	36.1	37.5	39.3	39.6	42.0	42.5	43.3	43.3	43.5	43.5	43.5	43.5	43.6
GE 8000	.2	28.1	34.3	37.1	38.5	40.3	40.6	43.0	43.5	44.2	44.2	44.4	44.4	44.4	44.4	44.6
GE 7000	.2	28.1	34.3	37.1	38.5	40.3	40.6	43.0	43.5	44.2	44.2	44.4	44.4	44.4	44.4	44.6
GE 6000	.2	28.1	34.3	37.1	38.5	40.3	40.6	43.0	43.5	44.2	44.2	44.4	44.4	44.4	44.4	44.6
GE 5000	.2	83.2	89.5	92.2	93.6	95.4	95.7	98.1	98.6	99.4	99.4	99.5	99.5	99.5	99.5	99.7
GE 4500	.2	83.2	89.5	92.2	93.6	95.4	95.7	98.1	98.6	99.4	99.4	99.5	99.5	99.5	99.5	99.7
GE 4000	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 3500	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 3000	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 2500	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 2000	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 1800	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 1600	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 1400	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 1200	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 1000	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 900	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 800	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 700	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 600	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 500	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 400	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 300	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 200	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE 100	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0
GE	.2	83.5	89.8	92.5	93.9	95.7	96.0	98.4	98.9	99.7	99.7	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 626

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404360 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JUN HOURS (LST): 0300-0500

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		31.3	37.8	42.2	44.7	46.6	46.9	48.9	49.7	50.2	50.2	50.6	50.6	50.6	50.6	50.6	
GE 2000		31.4	38.0	42.3	44.8	46.7	47.0	49.1	49.8	50.3	50.3	50.8	50.8	50.8	50.8	50.8	
GE 1800		31.4	38.0	42.3	44.8	46.7	47.0	49.1	49.8	50.3	50.3	50.8	50.8	50.8	50.8	50.8	
GE 1600		31.4	38.0	42.3	44.8	46.7	47.0	49.1	49.8	50.3	50.3	50.8	50.8	50.8	50.8	50.8	
GE 1400		31.4	38.0	42.3	44.8	46.7	47.0	49.1	49.8	50.3	50.3	50.8	50.8	50.8	50.8	50.8	
GE 1200		31.6	38.1	42.5	45.0	46.9	47.2	49.2	50.0	50.5	50.5	50.9	50.9	50.9	50.9	50.9	
GE 1000		31.6	38.1	42.7	45.2	47.0	47.3	49.4	50.2	50.6	50.6	51.1	51.1	51.1	51.1	51.1	
GE 900		31.6	38.1	42.7	45.2	47.0	47.3	49.4	50.2	50.6	50.6	51.1	51.1	51.1	51.1	51.1	
GE 800		31.9	38.4	43.1	46.1	48.1	48.4	50.5	51.3	51.7	51.7	52.2	52.2	52.2	52.2	52.2	
GE 700		31.9	38.4	43.1	46.1	48.1	48.4	50.5	51.3	51.7	51.7	52.2	52.2	52.2	52.2	52.2	
GE 600		31.9	38.4	43.1	46.1	48.1	48.4	50.5	51.3	51.7	51.7	52.2	52.2	52.2	52.2	52.2	
GE 500		78.8	85.3	90.0	93.0	95.0	95.3	97.3	98.1	98.6	98.6	99.1	99.1	99.1	99.1	99.1	
GE 450		78.8	85.3	90.0	93.0	95.0	95.3	97.3	98.1	98.6	98.6	99.1	99.1	99.1	99.1	99.1	
GE 400		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 350		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 300		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 250		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 200		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 180		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 160		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 140		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 120		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 100		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 90		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 80		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 70		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 60		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 50		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 40		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 30		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 20		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 10		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	
GE 0		79.2	85.9	90.8	93.8	95.8	96.1	98.3	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 640

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JUN HOURS(LST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CELL		17.8	42.6	63.7	71.0	76.5	76.5	81.2	83.7	85.1	85.3	86.7	87.0	87.0	87.0	87.0	
GE 20000		18.0	42.7	63.8	71.2	76.7	76.7	81.4	83.9	85.3	85.4	86.9	87.2	87.2	87.2	87.2	
GE 18000		18.0	42.7	63.8	71.2	76.7	76.7	81.4	83.9	85.3	85.4	86.9	87.2	87.2	87.2	87.2	
GE 16000		18.0	42.7	63.8	71.2	76.7	76.7	81.4	83.9	85.3	85.4	86.9	87.2	87.2	87.2	87.2	
GE 14000		18.0	42.7	63.8	71.2	76.7	76.7	81.4	83.9	85.3	85.4	86.9	87.2	87.2	87.2	87.2	
GE 12000		18.0	42.7	63.8	71.2	76.7	76.7	81.4	83.9	85.3	85.4	86.9	87.2	87.2	87.2	87.2	
GE 10000		18.3	43.0	64.5	72.1	77.8	77.8	82.5	85.0	86.4	86.5	87.9	88.3	88.3	88.3	88.3	
GE 9000		18.5	43.2	64.6	72.3	77.9	77.9	82.6	85.1	86.5	86.7	88.1	88.4	88.4	88.4	88.4	
GE 8000		18.6	43.3	64.8	72.5	78.4	78.4	83.1	85.6	87.0	87.2	88.6	88.9	88.9	88.9	88.9	
GE 7000		18.6	43.3	64.8	72.5	78.4	78.4	83.1	85.6	87.0	87.2	88.6	88.9	88.9	88.9	88.9	
GE 6000		18.6	43.3	64.8	72.5	78.4	78.4	83.1	85.6	87.0	87.2	88.6	88.9	88.9	88.9	88.9	
GE 5000		29.4	54.1	75.6	83.3	89.4	89.4	93.9	96.4	97.8	98.0	99.4	99.7	99.7	99.7	99.7	
GE 4500		29.4	54.1	75.6	83.3	89.4	89.4	93.9	96.4	97.8	98.0	99.4	99.7	99.7	99.7	99.7	
GE 4000		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 3500		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 3000		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 2500		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 2000		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 1800		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 1600		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 1400		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 1200		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 1000		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 900		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 800		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 700		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 600		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 500		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 400		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 300		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 200		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 100		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	
GE 0		29.4	54.1	75.7	83.4	89.4	89.4	94.2	96.7	98.1	98.3	99.7	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 639

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAL

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JUN HOURS(LST): 0900-1100

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		16.1	36.4	57.5	63.7	69.2	69.9	73.1	74.9	75.7	75.9	76.6	76.8	77.2	77.2	77.2
GE 20000		16.2	36.7	57.7	64.0	69.4	70.2	73.4	75.1	76.0	76.2	76.9	77.0	77.5	77.5	77.5
GE 18000		16.2	36.7	57.7	64.0	69.4	70.2	73.4	75.1	76.0	76.2	76.9	77.0	77.5	77.5	77.5
GE 16000		16.2	36.7	57.7	64.0	69.4	70.2	73.4	75.1	76.0	76.2	76.9	77.0	77.5	77.5	77.5
GE 14000		16.2	36.7	57.7	64.0	69.4	70.2	73.4	75.1	76.0	76.2	76.9	77.0	77.5	77.5	77.5
GE 12000		16.2	36.7	57.7	64.0	69.4	70.2	73.4	75.1	76.0	76.2	76.9	77.0	77.5	77.5	77.5
GE 10000		16.5	37.0	58.2	64.5	69.9	70.6	73.8	75.6	76.5	76.6	77.3	77.5	77.9	77.9	77.9
GE 9000		16.5	37.0	58.2	64.5	69.9	70.6	73.8	75.6	76.5	76.6	77.3	77.5	77.9	77.9	77.9
GE 8000		16.8	37.3	58.5	64.8	70.3	71.2	74.4	76.2	77.0	77.2	77.9	78.1	78.5	78.5	78.5
GE 7000		16.8	37.3	58.5	64.8	70.3	71.2	74.4	76.2	77.0	77.2	77.9	78.1	78.5	78.5	78.5
GE 6000		16.8	37.3	58.5	64.8	70.3	71.2	74.4	76.2	77.0	77.2	77.9	78.1	78.5	78.5	78.5
GE 5000		38.2	58.6	79.8	86.1	91.7	92.5	95.8	97.5	98.4	98.5	99.3	99.4	99.9	99.9	99.9
GE 4500		38.2	58.6	79.8	86.1	91.7	92.5	95.8	97.5	98.4	98.5	99.3	99.4	99.9	99.9	99.9
GE 4000		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 3500		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 3000		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 2500		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 2000		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 1800		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 1600		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 1400		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 1200		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 1000		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 900		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 800		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 700		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 600		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 500		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 400		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 300		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 200		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 100		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0
GE 0		38.3	58.8	80.0	86.3	91.8	92.7	95.9	97.7	98.5	98.7	99.4	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 689

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

~~STATION NUMBER: 404380 STATION NAME: RIYACH SAUDI ARABIA~~

PERIOD OF RECORD: 77-84
MONTH: JUN HOURS(LST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 9	GE 5	GE 4	GE 0	
NO CEILING	.1	22.6	37.9	47.2	51.3	53.5	54.2	56.1	57.4	57.4	57.7	58.2	58.2	58.3	58.3	58.3	
GE 20000	.1	22.6	37.9	47.2	51.3	53.5	54.2	56.1	57.4	57.4	57.7	58.2	58.2	58.3	58.3	58.3	
GE 18000	.1	22.6	37.9	47.2	51.3	53.5	54.2	56.1	57.4	57.4	57.7	58.2	58.2	58.3	58.3	58.3	
GE 16000	.1	22.6	37.9	47.2	51.3	53.5	54.2	56.1	57.4	57.4	57.7	58.2	58.2	58.3	58.3	58.3	
GE 14000	.1	22.6	37.9	47.2	51.3	53.5	54.2	56.1	57.4	57.4	57.7	58.2	58.2	58.3	58.3	58.3	
GE 12000	.1	22.7	38.2	47.5	51.6	53.8	54.5	56.4	57.7	57.7	58.0	58.5	58.5	58.6	58.6	58.6	
GE 10000	.1	23.5	38.9	48.3	52.3	54.5	55.2	57.1	58.5	58.5	58.7	59.2	59.2	59.3	59.3	59.3	
GE 9000	.1	23.5	38.9	48.3	52.3	54.5	55.2	57.1	58.5	58.5	58.7	59.2	59.2	59.3	59.3	59.3	
GE 8000	.1	23.5	39.2	48.7	52.8	55.0	55.7	57.6	58.9	58.9	59.2	59.6	59.6	59.8	59.8	59.8	
GE 7000	.1	23.5	39.2	48.7	52.8	55.0	55.7	57.6	58.9	58.9	59.2	59.6	59.6	59.8	59.8	59.8	
GE 6000	.1	23.5	39.2	48.7	52.8	55.0	55.7	57.6	58.9	58.9	59.2	59.6	59.6	59.8	59.8	59.8	
GE 5000	.1	63.4	79.2	88.8	92.9	95.0	95.8	97.7	99.0	99.0	99.3	99.7	99.7	99.9	99.9	99.9	
GE 4500	.1	63.4	79.2	88.8	92.9	95.0	95.8	97.7	99.0	99.0	99.3	99.7	99.7	99.9	99.9	99.9	
GE 4000	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 3500	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 3000	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 2500	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 2000	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 1800	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 1500	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 1200	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 1000	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 900	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 800	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 700	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 600	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 500	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 400	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 300	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 200	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 100	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
GE 0	.1	63.6	79.3	88.9	93.0	95.2	95.9	97.8	99.1	99.1	99.4	99.9	99.9	100.0	100.0	100.0	
TOTAL NUMBER OF OBSERVATIONS:		686															

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JUN HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1 360	5 90	6 80	7 60	8 48	9 40	10 32	12 24	15 20	18 16	20 12	25 10	30 8	35 5	40 4	45 0
NO CEIL	24.7	34.5	44.4	46.9	48.2	48.2	50.7	51.5	52.6	52.7	53.0	53.0	53.0	53.0	53.0	53.0
GE 20000	25.4	35.2	45.3	47.7	49.1	49.1	51.5	52.4	53.4	53.6	53.9	53.9	53.9	53.9	53.9	53.9
GE 18000	25.4	35.2	45.3	47.7	49.1	49.1	51.5	52.4	53.4	53.6	53.9	53.9	53.9	53.9	53.9	53.9
GE 16000	25.4	35.2	45.3	47.7	49.1	49.1	51.5	52.4	53.4	53.6	53.9	53.9	53.9	53.9	53.9	53.9
GE 14000	25.4	35.2	45.3	47.7	49.1	49.1	51.5	52.4	53.4	53.6	53.9	53.9	53.9	53.9	53.9	53.9
GE 12000	25.5	35.3	45.4	47.8	49.2	49.2	51.7	52.6	53.6	53.7	54.0	54.0	54.0	54.0	54.0	54.0
GE 10000	26.4	36.8	46.9	49.3	50.7	50.7	53.1	54.0	55.0	55.2	55.5	55.5	55.5	55.5	55.5	55.5
GE 9000	26.6	36.9	47.0	49.5	50.8	50.8	53.3	54.2	55.2	55.3	55.6	55.6	55.6	55.6	55.6	55.6
GE 8000	26.7	37.1	47.2	49.6	50.9	50.9	53.4	54.3	55.3	55.5	55.8	55.8	55.8	55.8	55.8	55.8
GE 7000	26.7	37.1	47.2	49.6	50.9	50.9	53.4	54.3	55.3	55.5	55.8	55.8	55.8	55.8	55.8	55.8
GE 6000	26.7	37.1	47.2	49.6	50.9	50.9	53.4	54.3	55.3	55.5	55.8	55.8	55.8	55.8	55.8	55.8
GE 5000	70.2	80.6	90.7	93.1	94.5	94.5	96.9	97.8	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3
GE 4500	70.2	80.6	90.7	93.1	94.5	94.5	96.9	97.8	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3
GE 4000	70.4	80.9	91.2	93.7	95.0	95.0	97.5	98.4	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	70.4	80.9	91.2	93.7	95.0	95.0	97.5	98.4	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	70.5	81.0	91.4	93.9	95.2	95.2	97.7	98.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 685

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-84
MONTH: JUN HOURS(LST): 1800-2000

CEILING	VISIBILITY IN HUNDREDS OF METERS																
	IN FEET	5T 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		23.8	36.4	43.8	46.0	48.0	48.6	50.6	51.5	52.0	52.6	53.2	53.2	53.4	53.4	53.4	
GE 20000		24.4	37.0	44.4	46.6	48.6	49.2	51.2	52.1	52.6	53.2	53.8	53.8	54.0	54.0	54.0	
GE 18000		24.4	37.0	44.4	46.6	48.6	49.2	51.2	52.1	52.6	53.2	53.8	53.8	54.0	54.0	54.0	
GE 16000		24.4	37.0	44.4	46.6	48.6	49.2	51.2	52.1	52.6	53.2	53.8	53.8	54.0	54.0	54.0	
GE 14000		24.4	37.0	44.4	46.6	48.6	49.2	51.2	52.1	52.6	53.2	53.8	53.8	54.0	54.0	54.0	
GE 12000		24.5	37.2	44.5	46.8	48.8	49.4	51.4	52.3	52.7	53.4	54.0	54.0	54.1	54.1	54.1	
GE 10000		25.0	37.8	45.1	47.4	49.4	50.0	52.0	52.9	53.4	54.0	54.6	54.6	54.7	54.7	54.7	
GE 9000		25.3	38.1	45.4	47.7	49.7	50.3	52.3	53.2	53.7	54.3	54.9	54.9	55.0	55.0	55.0	
GE 8000		25.6	38.4	45.9	48.2	50.2	50.8	52.7	53.7	54.1	54.7	55.3	55.3	55.5	55.5	55.5	
GE 7000		25.8	38.6	46.2	48.5	50.5	51.1	53.0	54.0	54.4	55.0	55.6	55.6	55.8	55.8	55.8	
GE 6000		25.8	38.6	46.2	48.5	50.5	51.1	53.0	54.0	54.4	55.0	55.6	55.6	55.8	55.8	55.8	
GE 5000		69.4	82.2	89.8	92.1	94.1	94.7	96.6	97.6	98.0	98.6	99.2	99.2	99.4	99.4	99.4	
GE 4500		69.4	82.2	89.8	92.1	94.1	94.7	96.6	97.6	98.0	98.6	99.2	99.2	99.4	99.4	99.4	
GE 4000		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 3500		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 3000		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 2500		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 2000		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 1800		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 1600		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 1400		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 1200		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 1000		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 900		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 800		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 700		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 600		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 500		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 400		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 300		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 200		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE 100		69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
GE	III	69.7	82.6	90.4	92.7	94.7	95.3	97.3	98.2	98.6	99.2	99.8	99.8	100.0	100.0	100.0	
TOTAL NUMBER OF OBSERVATIONS:		656															

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JUN HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		29.4	36.9	41.2	42.5	43.9	44.2	45.8	47.2	48.0	48.0	48.3	48.3	48.3	48.3	48.3
GE 20000		29.7	37.3	41.5	42.8	44.2	44.5	46.1	47.5	48.3	48.3	48.6	48.6	48.6	48.6	48.6
GE 18000		29.7	37.3	41.5	42.8	44.2	44.5	46.1	47.5	48.3	48.3	48.6	48.6	48.6	48.6	48.6
GE 16000		29.7	37.3	41.5	42.8	44.2	44.5	46.1	47.5	48.3	48.3	48.6	48.6	48.6	48.6	48.6
GE 14000		29.7	37.3	41.5	42.8	44.2	44.5	46.1	47.5	48.3	48.3	48.6	48.6	48.6	48.6	48.6
GE 12000		29.7	37.3	41.5	42.8	44.2	44.5	46.1	47.5	48.3	48.3	48.6	48.6	48.6	48.6	48.6
GE 10000		30.3	38.1	42.3	43.7	45.1	45.4	47.0	48.4	49.2	49.2	49.5	49.5	49.5	49.5	49.5
GE 9000		30.8	38.5	42.8	44.2	45.6	45.9	47.5	48.9	49.7	49.7	50.0	50.0	50.0	50.0	50.0
GE 8000		31.3	39.0	43.2	44.7	46.1	46.4	48.0	49.4	50.2	50.2	50.5	50.5	50.5	50.5	50.5
GE 7000		31.3	39.0	43.4	44.8	46.2	46.5	48.1	49.5	50.3	50.3	50.6	50.6	50.6	50.6	50.6
GE 6000		31.3	39.0	43.4	44.8	46.2	46.5	48.1	49.5	50.3	50.3	50.6	50.6	50.6	50.6	50.6
GE 5000		80.5	88.2	92.6	94.0	95.4	95.8	97.3	98.7	99.5	99.5	99.8	99.8	99.8	99.8	99.8
GE 4500		80.5	88.2	92.6	94.0	95.4	95.8	97.3	98.7	99.5	99.5	99.8	99.8	99.8	99.8	99.8
GE 4000		80.5	88.2	92.6	94.0	95.4	95.8	97.3	98.7	99.5	99.5	99.8	99.8	99.8	99.8	99.8
GE 3500		80.5	88.2	92.6	94.0	95.4	95.8	97.3	98.7	99.5	99.5	99.8	99.8	99.8	99.8	99.8
GE 3000		80.5	88.2	92.6	94.0	95.4	95.8	97.3	98.7	99.5	99.5	99.8	99.8	99.8	99.8	99.8
GE 2500		80.5	88.2	92.6	94.0	95.4	95.8	97.3	98.7	99.5	99.5	99.8	99.8	99.8	99.8	99.8
GE 2000		80.5	88.4	92.8	94.2	95.6	95.9	97.5	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 1800		80.5	88.4	92.8	94.2	95.6	95.9	97.5	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 1600		80.5	88.4	92.8	94.2	95.6	95.9	97.5	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 1400		80.5	88.4	92.8	94.2	95.6	95.9	97.5	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 1200		80.5	88.4	92.8	94.2	95.6	95.9	97.5	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 1000		80.5	88.4	92.8	94.2	95.6	95.9	97.5	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 900		80.5	88.4	92.8	94.2	95.6	95.9	97.5	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 800		80.5	88.4	92.8	94.2	95.6	95.9	97.5	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 700		80.5	88.4	92.8	94.2	95.6	95.9	97.5	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 600		80.5	88.4	92.8	94.2	95.6	95.9	97.5	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 500		80.5	88.4	92.8	94.2	95.6	95.9	97.5	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 400		80.5	88.4	92.8	94.2	95.6	95.9	97.5	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 300		80.5	88.4	92.8	94.2	95.6	95.9	97.5	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 200		80.5	88.4	92.8	94.2	95.6	95.9	97.5	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 100		80.5	88.4	92.8	94.2	95.6	95.9	97.5	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE M		80.5	88.4	92.8	94.2	95.6	95.9	97.5	98.9	99.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 636

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/WHC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 40430N STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JUN HOURS(IST): ALL

CEILING	VISIBILITY IN HUNDREDS OF METERS																
	IN FEET	100	200	400	600	800	1000	1200	1400	1600	1800	2000	2400	2800	3200	3600	4000
NO CEIL	1	.0	24.0	36.9	47.0	50.5	53.2	53.6	56.1	57.4	58.1	58.3	58.8	58.9	59.0	59.0	59.0
GE 20000	.0	24.2	37.2	47.3	50.8	53.5	53.9	56.4	57.7	58.4	58.6	59.1	59.2	59.3	59.3	59.3	59.3
GE 18000	.0	24.2	37.2	47.4	50.8	53.5	53.9	56.4	57.7	58.4	58.6	59.1	59.2	59.3	59.3	59.3	59.3
GE 16000	.0	24.2	37.2	47.4	50.8	53.5	53.9	56.4	57.7	58.4	58.6	59.1	59.2	59.3	59.3	59.3	59.3
GE 14000	.0	24.2	37.2	47.4	50.8	53.5	53.9	56.4	57.7	58.4	58.6	59.1	59.2	59.3	59.3	59.3	59.3
GE 12000	.0	24.2	37.2	47.5	51.0	53.6	54.0	56.5	57.8	58.5	58.7	59.3	59.3	59.4	59.4	59.4	59.4
GE 10000	.0	24.6	37.9	48.1	51.6	54.3	54.7	57.2	58.5	59.2	59.4	59.9	60.0	60.1	60.1	60.1	60.1
GE 9000	.0	24.9	38.6	48.2	51.8	54.5	54.9	57.4	58.6	59.4	59.5	60.1	60.1	60.2	60.2	60.2	60.3
GE 8000	.0	25.2	38.9	48.6	52.2	55.0	55.4	58.0	59.2	59.9	60.1	60.7	60.7	60.8	60.8	60.8	60.8
GE 7000	.0	25.2	38.9	48.7	52.3	55.1	55.5	58.0	59.3	60.0	60.2	60.7	60.8	60.9	60.9	60.9	60.9
GE 6000	.0	25.2	38.9	48.7	52.3	55.1	55.5	58.0	59.3	60.0	60.2	60.7	60.8	60.9	60.9	60.9	60.9
GE 5000	.0	63.9	77.1	87.4	91.0	93.8	94.2	96.7	98.0	98.7	98.9	99.4	99.5	99.6	99.6	99.6	99.6
GE 4000	.0	63.9	77.1	87.4	91.0	93.8	94.2	96.7	98.0	98.7	98.9	99.4	99.5	99.6	99.6	99.6	99.6
GE 3000	.0	64.1	77.3	87.7	91.3	94.1	94.5	97.1	98.3	99.1	99.2	99.8	99.8	99.9	99.9	100.0	100.0
GE 2000	.0	64.1	77.3	87.8	91.4	94.1	94.5	97.1	98.4	99.1	99.3	99.8	99.9	100.0	100.0	100.0	100.0
GE 1500	.0	64.1	77.3	87.8	91.4	94.1	94.5	97.1	98.4	99.1	99.3	99.8	99.9	100.0	100.0	100.0	100.0
GE 1000	.0	64.1	77.3	87.8	91.4	94.1	94.5	97.1	98.4	99.1	99.3	99.8	99.9	100.0	100.0	100.0	100.0
GE 800	.0	64.1	77.4	87.8	91.4	94.2	94.6	97.1	98.4	99.1	99.3	99.8	99.9	100.0	100.0	100.0	100.0
GE 600	.0	64.1	77.4	87.8	91.4	94.2	94.6	97.1	98.4	99.1	99.3	99.8	99.9	100.0	100.0	100.0	100.0
GE 400	.0	64.1	77.4	87.8	91.4	94.2	94.6	97.1	98.4	99.1	99.3	99.8	99.9	100.0	100.0	100.0	100.0
GE 300	.0	64.1	77.4	87.8	91.4	94.2	94.6	97.1	98.4	99.1	99.3	99.8	99.9	100.0	100.0	100.0	100.0
GE 200	.0	64.1	77.4	87.8	91.4	94.2	94.6	97.1	98.4	99.1	99.3	99.8	99.9	100.0	100.0	100.0	100.0
GE 100	.0	64.1	77.4	87.8	91.4	94.2	94.6	97.1	98.4	99.1	99.3	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 5252

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JUL HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	80
NO CEIL	27.4	31.2	34.9	35.9	36.0	36.0	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.8
GE 20000	27.5	31.3	35.1	36.0	36.2	36.2	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.9
GE 18000	27.5	31.3	35.1	36.0	36.2	36.2	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.9
GE 16000	27.5	31.3	35.1	36.0	36.2	36.2	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.9
GE 14000	27.5	31.3	35.1	36.0	36.2	36.2	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.9
GE 12000	28.1	31.9	35.7	36.6	36.6	36.6	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.5
GE 10000	28.6	32.5	36.3	37.2	37.5	37.5	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.3
GE 9000	28.6	32.5	36.3	37.2	37.5	37.5	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.3
GE 8000	29.2	33.4	37.2	38.1	38.4	38.4	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.2
GE 7000	29.2	33.4	37.2	38.1	38.4	38.4	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.2
GE 6000	29.2	33.4	37.2	38.1	38.4	38.4	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.2
GE 5000	89.7	93.9	97.7	98.6	98.9	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
GE 4500	89.7	93.9	97.7	98.6	98.9	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
GE 4000	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 3500	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 3000	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 2500	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 2000	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 1800	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 1600	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 1400	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 1200	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 1000	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 900	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 800	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 700	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 600	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 500	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 400	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 300	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 200	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 100	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 0	89.9	94.1	97.9	98.8	99.1	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 661

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAT
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JUL HOURS(IST): 0300-0500

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 90	GE 60	GE 40	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	33.0	26.8	41.4	42.2	42.9	42.9	43.2	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.6
GE 20000		33.0	37.0	41.6	42.3	43.0	43.0	43.3	43.8	43.9	43.9	43.9	43.9	43.9	43.9	44.1
GE 18000		33.0	37.0	41.6	42.3	43.0	43.0	43.3	43.8	43.9	43.9	43.9	43.9	43.9	43.9	44.1
GE 16000		33.0	37.0	41.6	42.3	43.0	43.0	43.3	43.8	43.9	43.9	43.9	43.9	43.9	43.9	44.1
GE 14000		33.0	37.0	41.6	42.3	43.0	43.0	43.3	43.8	43.9	43.9	43.9	43.9	43.9	43.9	44.1
GE 12000		33.0	37.0	41.6	42.3	43.0	43.0	43.3	43.8	43.9	43.9	43.9	43.9	43.9	43.9	44.1
GE 10000		33.7	37.9	42.5	43.2	43.9	43.9	44.2	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.1
GE 9000		33.7	37.9	42.5	43.2	43.9	43.9	44.2	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.1
GE 8000		33.9	38.0	42.9	43.6	44.4	44.4	44.7	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.6
GE 7000		34.0	38.2	43.0	43.8	44.5	44.5	44.8	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.7
GE 6000		34.0	38.2	43.0	43.8	44.5	44.5	44.8	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.7
GE 5000		38.2	42.3	47.2	47.9	48.7	48.7	49.0	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.9
GE 4500		38.2	42.3	47.2	47.9	48.7	48.7	49.0	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.9
GE 4000		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 3500		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 3000		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 2500		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 2000		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 1800		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 1600		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 1400		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 1200		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 1000		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 900		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 800		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 700		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 600		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 500		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 400		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 300		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 200		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE 100		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0
GE HI		38.3	42.5	47.3	48.1	48.8	48.8	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 676

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404360 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JUL HOURS (LST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	50 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		18.8	35.4	63.6	70.4	73.3	73.4	75.9	77.2	77.5	77.5	77.7	77.7	77.7	77.7	77.8	
GE 2000		19.4	36.7	65.1	71.9	74.8	75.0	77.4	78.8	79.1	79.1	79.2	79.2	79.2	79.2	79.4	
GE 1800		19.4	36.7	65.1	71.9	74.8	75.0	77.4	78.8	79.1	79.1	79.2	79.2	79.2	79.2	79.4	
GE 1600		19.4	36.7	65.1	71.9	74.8	75.0	77.4	78.8	79.1	79.1	79.2	79.2	79.2	79.2	79.4	
GE 1400		19.6	36.9	65.4	72.2	75.1	75.3	77.7	79.1	79.4	79.4	79.5	79.5	79.5	79.5	79.7	
GE 1200		19.7	37.0	65.9	72.7	75.6	75.7	78.1	79.5	79.8	79.8	80.0	80.0	80.0	80.0	80.1	
GE 1000		20.5	38.5	68.6	75.6	78.5	78.6	81.0	82.4	82.7	82.7	83.2	83.2	83.2	83.2	83.3	
GE 900		20.5	38.5	68.6	75.6	78.5	78.6	81.0	82.4	82.7	82.7	83.2	83.2	83.2	83.2	83.3	
GE 800		20.5	38.8	69.3	76.5	79.4	79.5	81.9	83.5	83.8	83.8	84.2	84.2	84.2	84.2	84.4	
GE 700		20.5	38.8	69.3	76.5	79.4	79.5	81.9	83.5	83.8	83.8	84.2	84.2	84.2	84.2	84.4	
GE 600		20.5	38.8	69.3	76.5	79.4	79.5	81.9	83.5	83.8	83.8	84.2	84.2	84.2	84.2	84.4	
GE 500		35.7	54.0	84.5	91.7	94.5	94.7	97.1	98.6	98.9	98.9	99.4	99.4	99.4	99.4	99.5	
GE 450		35.7	54.0	84.5	91.7	94.5	94.7	97.1	98.6	98.9	98.9	99.4	99.4	99.4	99.4	99.5	
GE 400		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 350		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 300		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 250		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 200		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 180		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 160		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 140		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 120		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 100		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 90		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 80		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 70		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 60		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 50		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 40		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 30		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 20		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 10		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	
GE 0		35.8	54.3	85.0	92.1	95.0	95.1	97.6	99.1	99.4	99.4	99.8	99.8	99.8	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 659

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404360 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JUL HOURS(IST): 0900-1100

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 90	GE 80	GF 60	GE 48	GE 40	GE 32	GF 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		16.5	39.3	60.3	66.3	69.3	69.4	72.3	73.7	74.0	74.0	74.3	74.3	74.3	74.3	74.3
GE 20000		16.5	39.3	60.4	66.5	69.4	69.6	72.4	74.0	74.3	74.3	74.5	74.7	74.7	74.7	74.7
GE 18000		16.5	39.3	60.4	66.5	69.4	69.6	72.4	74.0	74.3	74.3	74.5	74.7	74.7	74.7	74.7
GE 16000		16.5	39.3	60.4	66.5	69.4	69.6	72.4	74.0	74.3	74.3	74.5	74.7	74.7	74.7	74.7
GE 14000		16.5	39.3	60.4	66.5	69.4	69.6	72.4	74.0	74.3	74.3	74.5	74.7	74.7	74.7	74.7
GE 12000		16.5	39.3	60.5	66.6	69.6	69.7	72.6	74.1	74.4	74.4	74.7	74.8	74.8	74.8	74.8
GE 10000		16.7	40.3	61.6	68.0	71.0	71.1	74.0	75.5	75.8	75.8	76.1	76.2	76.2	76.2	76.2
GE 9000		16.7	40.3	62.0	68.2	71.1	71.3	74.1	75.7	76.0	76.0	76.2	76.4	76.4	76.4	76.4
GE 8000		16.7	40.3	62.0	68.2	71.1	71.3	74.1	75.7	76.0	76.0	76.2	76.4	76.4	76.4	76.4
GE 7000		16.7	40.3	62.0	68.2	71.1	71.3	74.1	75.7	76.0	76.0	76.2	76.4	76.4	76.4	76.4
GE 6000		16.7	40.3	62.0	68.2	71.1	71.3	74.1	75.7	76.0	76.0	76.2	76.4	76.4	76.4	76.4
GE 5000		40.2	63.8	85.4	91.7	94.6	94.8	97.6	99.2	99.4	99.4	99.7	99.9	99.9	99.9	99.9
GE 4500		40.2	63.8	85.4	91.7	94.6	94.8	97.6	99.2	99.4	99.4	99.7	99.9	99.9	99.9	99.9
GE 4000		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 3500		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 3000		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 2500		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 2000		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 1800		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 1600		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 1400		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 1200		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 1000		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 900		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 800		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 700		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 600		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 500		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 400		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 300		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 200		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 100		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0
GE 0		40.2	63.8	85.6	91.8	94.8	94.9	97.7	99.3	99.6	99.6	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 707

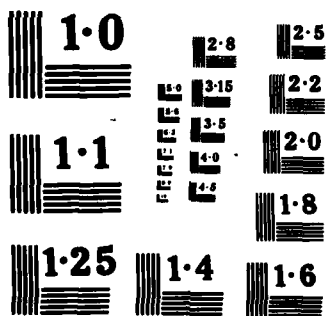
RIYADH SAUDI ARABIA LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARY (LSOCS..U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. JUN 85
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404360 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JUL HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	26.9	37.7	45.8	49.6	50.4	50.7	51.3	51.7	52.3	52.5	53.4	53.4	53.4	53.4	53.4	53.4
GE 20000	28.2	39.3	47.5	51.4	52.3	52.5	53.1	53.5	54.1	54.4	55.2	55.2	55.2	55.2	55.2	55.2
GE 18000	28.2	39.3	47.5	51.4	52.3	52.5	53.1	53.5	54.1	54.4	55.2	55.2	55.2	55.2	55.2	55.2
GE 16000	28.2	39.3	47.5	51.4	52.3	52.5	53.1	53.5	54.1	54.4	55.2	55.2	55.2	55.2	55.2	55.2
GE 14000	28.2	39.3	47.5	51.4	52.3	52.5	53.1	53.5	54.1	54.4	55.2	55.2	55.2	55.2	55.2	55.2
GE 12000	28.2	39.3	47.5	51.4	52.3	52.5	53.1	53.5	54.1	54.4	55.2	55.2	55.2	55.2	55.2	55.2
GE 10000	28.3	39.9	48.0	52.0	52.8	53.1	53.7	54.1	54.6	54.9	55.8	55.8	56.1	56.1	56.1	56.1
GE 9000	28.3	39.9	48.0	52.0	52.8	53.1	53.7	54.1	54.6	54.9	55.8	55.8	56.1	56.1	56.1	56.1
GE 8000	28.3	39.9	48.0	52.0	52.8	53.1	53.7	54.1	54.6	54.9	55.8	55.8	56.1	56.1	56.1	56.1
GE 7000	28.5	40.0	48.2	52.1	53.0	53.2	53.8	54.2	54.8	55.1	55.9	55.9	56.2	56.2	56.2	56.2
GE 6000	28.5	40.0	48.2	52.1	53.0	53.2	53.8	54.2	54.8	55.1	55.9	55.9	56.2	56.2	56.2	56.2
GE 5000	71.8	83.4	91.5	95.5	96.3	96.6	97.2	97.6	98.2	98.5	99.3	99.3	99.6	99.6	99.6	99.6
GE 4500	72.0	83.5	91.7	95.6	96.5	96.8	97.3	97.7	98.3	98.6	99.4	99.4	99.7	99.7	99.7	99.7
GE 4000	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 3500	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 3000	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 2500	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 2000	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 1800	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 1600	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 1400	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 1200	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 1000	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 900	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 800	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 700	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 600	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 500	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 400	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 300	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 200	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE 100	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0
GE HT	72.0	83.5	91.8	95.8	96.8	97.0	97.6	98.0	98.6	98.9	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 710

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JUL HOURS(LST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	28.1	35.4	42.3	46.0	47.4	47.4	48.9	49.8	49.9	50.1	50.1	50.4	50.4	50.4	50.4	
GE 20000	1	29.4	36.9	44.7	48.4	49.8	49.8	51.3	52.2	52.3	52.5	52.5	52.8	52.8	52.8	52.8	
GE 18000	1	29.4	36.9	44.7	48.4	49.8	49.8	51.3	52.2	52.3	52.5	52.5	52.8	52.8	52.8	52.8	
GE 16000	1	29.4	36.9	44.7	48.4	49.8	49.8	51.3	52.2	52.3	52.5	52.5	52.8	52.8	52.8	52.8	
GE 14000	1	29.4	36.9	44.7	48.4	49.8	49.8	51.3	52.2	52.3	52.5	52.5	52.8	52.8	52.8	52.8	
GE 12000	1	29.7	37.2	45.0	48.7	50.1	50.1	51.6	52.5	52.6	52.8	52.8	53.0	53.0	53.0	53.0	
GE 10000	1	30.1	37.6	45.5	49.2	50.6	50.6	52.2	53.2	53.3	53.5	53.5	53.7	53.7	53.7	53.7	
GE 9000	1	30.1	37.6	45.5	49.2	50.6	50.6	52.2	53.2	53.3	53.5	53.5	53.7	53.7	53.7	53.7	
GE 8000	1	30.4	37.9	45.8	49.5	50.9	50.9	52.5	53.5	53.6	53.7	53.7	54.0	54.0	54.0	54.0	
GE 7000	1	30.4	37.9	45.8	49.5	50.9	50.9	52.5	53.5	53.6	53.7	53.7	54.0	54.0	54.0	54.0	
GE 6000	1	30.6	38.2	46.1	49.8	51.2	51.2	52.8	53.7	53.9	54.0	54.0	54.3	54.3	54.3	54.3	
GE 5000	1	75.1	82.7	90.7	94.3	95.8	95.8	97.3	98.3	98.4	98.6	98.6	98.9	98.9	98.9	98.9	
GE 4500	1	75.2	83.0	91.1	94.8	96.2	96.2	97.7	98.7	98.9	99.0	99.0	99.3	99.3	99.3	99.3	
GE 4000	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 3500	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 3000	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 2500	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 2000	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 1800	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 1500	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 1200	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 1000	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 900	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 800	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 700	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 600	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 500	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 400	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 300	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 200	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 100	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	
GE 0	1	75.7	83.5	91.7	95.3	96.7	96.7	98.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 707

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JUL HOURS(LEST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FLEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CFTL	1	23.5	32.8	38.3	41.1	42.1	42.2	43.3	44.0	44.0	44.0	44.3	44.4	44.4	44.6	44.7	
GE 20000		24.2	33.7	39.6	42.4	43.4	43.5	44.6	45.3	45.3	45.3	45.6	45.7	45.7	45.9	46.0	
GE 18000		24.2	33.7	39.6	42.4	43.4	43.5	44.6	45.3	45.3	45.3	45.6	45.7	45.7	45.9	46.0	
GE 16000		24.2	33.7	39.6	42.4	43.4	43.5	44.6	45.3	45.3	45.3	45.6	45.7	45.7	45.9	46.0	
GE 14000		24.2	33.7	39.6	42.4	43.4	43.5	44.6	45.3	45.3	45.3	45.6	45.7	45.7	45.9	46.0	
GE 12000		24.4	33.8	39.8	42.5	43.5	43.7	44.7	45.4	45.4	45.4	45.7	45.9	45.9	46.0	46.2	
GE 10000		25.0	34.8	41.1	43.8	44.8	45.0	46.2	46.9	46.9	46.9	47.3	47.5	47.5	47.6	47.8	
GE 9000		25.3	35.1	41.4	44.1	45.1	45.3	46.4	47.2	47.2	47.2	47.6	47.8	47.8	47.9	48.0	
GE 8000		25.7	35.7	41.9	44.7	45.7	45.9	47.0	47.8	47.8	47.8	48.2	48.3	48.3	48.5	48.6	
GE 7000		25.7	35.7	41.9	44.7	45.7	45.9	47.0	47.8	47.8	47.8	48.2	48.3	48.3	48.5	48.6	
GE 6000		26.0	36.0	42.2	45.0	46.0	46.2	47.3	48.0	48.0	48.0	48.5	48.6	48.6	48.8	48.9	
GE 5000		75.9	85.9	92.2	94.9	95.9	96.1	97.2	98.0	98.0	98.0	98.4	98.5	98.5	98.7	98.8	
GE 4500		76.1	86.1	92.3	95.1	96.1	96.2	97.5	98.3	98.3	98.3	98.7	98.8	98.8	99.0	99.1	
GE 4000		76.5	86.5	92.9	95.6	96.7	96.8	98.3	99.0	99.0	99.0	99.4	99.6	99.6	99.7	99.9	
GE 3500		76.5	86.5	92.9	95.6	96.7	96.8	98.3	99.0	99.0	99.0	99.4	99.6	99.6	99.7	99.9	
GE 3000		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 2500		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 2000		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 1800		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 1600		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 1400		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 1200		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 1000		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 900		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 800		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 700		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 600		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 500		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 400		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 300		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 200		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 100		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	
GE 0		76.5	86.6	93.0	95.8	96.8	97.0	98.4	99.1	99.1	99.1	99.6	99.7	99.7	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 689

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIVADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JUL HOURS(IST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CELL		29.3	35.3	40.6	42.1	42.4	42.4	42.7	43.1	43.2	43.2	43.2	43.4	43.4	43.4	43.4	
GE 2000		29.9	36.0	41.2	42.7	43.1	43.1	43.4	43.7	43.8	43.8	43.8	44.0	44.0	44.0	44.0	
GE 1800		29.9	36.0	41.2	42.7	43.1	43.1	43.4	43.7	43.8	43.8	43.8	44.0	44.0	44.0	44.0	
GE 1600		29.9	36.0	41.2	42.7	43.1	43.1	43.4	43.7	43.8	43.8	43.8	44.0	44.0	44.0	44.0	
GE 1400		30.1	36.1	41.4	42.9	43.2	43.2	43.5	43.8	44.0	44.0	44.0	44.1	44.1	44.1	44.1	
GE 1200		30.1	36.1	41.4	42.9	43.2	43.2	43.5	43.8	44.0	44.0	44.0	44.1	44.1	44.1	44.1	
GE 1000		30.8	37.0	42.4	44.0	44.4	44.4	44.7	45.0	45.2	45.2	45.2	45.3	45.3	45.3	45.3	
GE 900		31.1	37.3	42.7	44.3	44.7	44.7	45.0	45.3	45.5	45.5	45.5	45.6	45.6	45.6	45.6	
GE 800		31.7	37.9	43.4	44.9	45.5	45.5	45.8	46.1	46.2	46.2	46.2	46.4	46.4	46.4	46.4	
GE 700		31.7	37.9	43.4	44.9	45.5	45.5	45.8	46.1	46.2	46.2	46.2	46.4	46.4	46.4	46.4	
GE 600		31.7	37.9	43.4	44.9	45.5	45.5	45.8	46.2	46.4	46.4	46.4	46.5	46.5	46.5	46.5	
GE 500		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 450		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 400		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 350		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 300		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 250		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 200		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 180		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 150		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 120		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 100		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 90		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 80		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 70		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 60		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 50		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 40		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 30		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 20		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 10		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 0		85.2	91.4	96.8	98.3	98.9	98.9	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 662

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: JUL HOURS(IST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	51 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		25.4	35.5	45.9	49.2	50.5	50.6	51.8	52.5	52.7	52.8	53.0	53.0	53.0	53.0	53.1
GE 20000		26.0	36.3	46.9	50.3	51.6	51.7	52.8	53.6	53.8	53.8	54.0	54.1	54.1	54.1	54.2
GE 18000		26.0	36.3	46.9	50.3	51.6	51.7	52.8	53.6	53.8	53.8	54.0	54.1	54.1	54.1	54.2
GE 16000		26.0	36.3	46.9	50.3	51.6	51.7	52.8	53.6	53.8	53.8	54.0	54.1	54.1	54.1	54.2
GE 14000		26.0	36.4	47.0	50.3	51.6	51.7	52.9	53.6	53.8	53.9	54.1	54.2	54.2	54.2	54.3
GE 12000		26.2	36.5	47.2	50.5	51.8	51.9	53.1	53.8	54.0	54.1	54.3	54.4	54.4	54.4	54.5
GE 10000		26.7	37.4	48.3	51.7	53.0	53.1	54.3	55.1	55.3	55.3	55.6	55.7	55.7	55.7	55.8
GE 9000		26.8	37.4	48.4	51.8	53.1	53.2	54.4	55.2	55.4	55.4	55.7	55.8	55.8	55.8	55.9
GE 8000		27.0	37.8	48.8	52.2	53.6	53.7	54.9	55.7	55.9	55.9	56.2	56.3	56.3	56.3	56.4
GE 7000		27.1	37.8	48.9	52.3	53.6	53.7	54.9	55.7	55.9	55.9	56.2	56.3	56.3	56.4	56.4
GE 6000		27.1	37.9	48.9	52.3	53.7	53.8	55.0	55.8	56.0	56.0	56.3	56.4	56.4	56.4	56.5
GE 5000		70.1	80.9	92.0	95.3	96.7	96.8	98.0	98.8	99.0	99.1	99.3	99.4	99.5	99.5	99.5
GE 4500		70.2	81.0	92.0	95.4	96.8	96.9	98.1	98.9	99.1	99.2	99.4	99.5	99.6	99.6	99.7
GE 4000		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 3500		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 3000		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 2500		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 2000		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 1800		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 1500		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 1200		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 1000		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 900		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 800		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 700		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 600		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 500		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 400		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 300		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 200		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE 100		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0
GE		70.3	81.2	92.3	95.7	97.1	97.2	98.5	99.3	99.5	99.5	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 5471

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: AUG HOURS(LST): 0000-0200

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	.2	28.9	30.9	32.3	33.1	33.4	33.4	34.4	34.4	34.9	34.9	34.9	34.9	34.9	34.9	34.9
GE 20000		.2	29.4	31.7	33.1	33.9	34.2	34.2	35.2	35.2	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 18000		.2	29.4	31.7	33.1	33.9	34.2	34.2	35.2	35.2	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 16000		.2	29.4	31.7	33.1	33.9	34.2	34.2	35.2	35.2	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 14000		.2	29.4	31.7	33.1	33.9	34.2	34.2	35.2	35.2	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 12000		.2	29.4	31.7	33.1	33.9	34.2	34.2	35.2	35.2	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 10000		.2	29.5	32.0	33.4	34.2	34.5	34.5	35.5	35.5	35.9	35.9	35.9	35.9	35.9	35.9	35.9
GE 9000		.2	29.5	32.0	33.4	34.2	34.5	34.5	35.5	35.5	35.9	35.9	35.9	35.9	35.9	35.9	35.9
GE 8000		.2	29.7	32.3	33.8	34.5	34.9	34.9	35.8	35.8	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 7000		.2	29.7	32.3	33.8	34.5	34.9	34.9	35.8	35.8	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 6000		.2	29.7	32.3	33.8	34.5	34.9	34.9	36.1	36.1	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 5000		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7
GE 4500		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7
GE 4000		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7
GE 3500		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7
GE 3000		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8
GE 2500		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8
GE 2000		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0
GE 1800		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0
GE 1500		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0
GE 1200		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0
GE 1000		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0
GE 900		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0
GE 800		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0
GE 700		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0
GE 600		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0
GE 500		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0
GE 400		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0
GE 300		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0
GE 200		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0
GE 100		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0
GE 00		.2	92.6	95.3	96.7	97.5	97.8	97.8	99.1	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 637

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: AUG HOURS(IST): 0300-0500

CEILING FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	35.9	36.9	39.1	39.7	40.4	40.7	41.5	41.8	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 20000	34.4	37.3	39.6	40.1	40.9	41.2	41.9	42.2	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 18000	34.4	37.3	39.6	40.3	41.0	41.3	42.2	42.5	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 16000	34.4	37.3	39.6	40.3	41.0	41.3	42.2	42.5	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 14000	34.4	37.3	39.6	40.3	41.0	41.3	42.2	42.5	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 12000	34.7	37.6	39.9	40.6	41.3	41.6	42.5	42.8	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 10000	35.3	38.2	40.4	41.2	41.9	42.2	43.1	43.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 9000	35.3	38.2	40.4	41.2	41.9	42.2	43.1	43.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 8000	35.3	38.2	40.4	41.2	41.9	42.2	43.1	43.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 7000	35.4	38.4	40.6	41.3	42.1	42.4	43.3	43.6	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 6000	35.4	38.4	40.6	41.3	42.1	42.4	43.3	43.6	44.1	44.1	44.4	44.4	44.4	44.4	44.4	44.4
GE 5000	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 4500	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 4000	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 3500	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 3000	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 2500	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 2000	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 1800	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 1500	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 1200	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 1000	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 900	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 800	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 700	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 600	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 500	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 400	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 300	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 200	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 100	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 00	91.0	93.9	96.1	96.9	97.6	97.9	98.8	99.1	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 675

GLOBAL CLIMATOLOGY BRANCH
USAF/ATC
AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84

MONTH: AUG

HOURS(157): 0600-0800

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	20.8	41.8	63.2	64.7	73.7	74.0	76.9	78.4	78.7	78.7	78.7	78.7	79.2	79.2	79.2	79.2
GE 20000	21.0	42.4	64.3	69.8	74.7	75.0	78.1	79.7	80.0	80.0	80.0	80.0	80.6	80.6	80.6	80.6
GE 18000	21.0	42.4	64.3	69.8	74.7	75.0	78.1	79.7	80.0	80.0	80.0	80.0	80.6	80.6	80.6	80.6
GE 16000	21.0	42.4	64.3	69.8	74.7	75.0	78.1	79.7	80.0	80.0	80.0	80.0	80.6	80.6	80.6	80.6
GE 14000	21.0	42.4	64.3	69.8	74.7	75.0	78.1	79.7	80.0	80.0	80.0	80.0	80.6	80.6	80.6	80.6
GE 12000	21.1	42.5	64.4	70.1	75.0	75.3	78.4	80.0	80.3	80.3	80.3	80.3	80.9	80.9	80.9	80.9
GE 10000	21.9	43.8	65.9	72.0	76.9	77.2	80.6	82.6	82.9	82.9	82.9	82.9	83.5	83.5	83.5	83.5
GE 9000	22.0	44.1	66.4	72.4	77.3	77.7	81.0	83.1	83.4	83.4	83.4	83.4	84.0	84.0	84.0	84.0
GE 8000	22.8	45.5	68.0	74.1	79.0	79.4	82.7	84.7	85.1	85.1	85.1	85.1	85.7	85.7	85.7	85.7
GE 7000	23.1	45.8	68.6	74.7	79.7	80.0	83.4	85.4	85.7	85.7	85.7	85.7	86.3	86.3	86.3	86.3
GE 6000	23.1	45.8	68.6	74.7	79.7	80.0	83.4	85.4	85.7	85.7	85.7	85.7	86.3	86.3	86.3	86.3
GE 5000	36.5	59.2	82.0	88.1	93.1	93.4	96.8	98.8	99.1	99.1	99.1	99.1	99.7	99.7	99.7	99.7
GE 4500	36.5	59.2	82.0	88.1	93.1	93.4	96.8	98.8	99.1	99.1	99.1	99.1	99.7	99.7	99.7	99.7
GE 4000	36.7	59.3	82.1	88.3	93.2	93.5	96.9	98.9	99.2	99.2	99.2	99.2	99.8	99.8	99.8	99.8
GE 3500	36.7	59.3	82.1	88.3	93.2	93.5	96.9	98.9	99.2	99.2	99.2	99.2	99.8	99.8	99.8	99.8
GE 3000	36.7	59.3	82.1	88.3	93.2	93.5	96.9	98.9	99.2	99.2	99.2	99.2	99.8	99.8	99.8	99.8
GE 2500	36.7	59.3	82.1	88.3	93.2	93.5	96.9	98.9	99.2	99.2	99.2	99.2	99.8	99.8	99.8	99.8
GE 2000	36.7	59.3	82.1	88.3	93.2	93.5	96.9	98.9	99.2	99.2	99.2	99.2	99.8	99.8	99.8	99.8
GE 1800	36.7	59.3	82.1	88.3	93.2	93.5	96.9	98.9	99.2	99.2	99.2	99.2	99.8	99.8	99.8	99.8
GE 1600	36.7	59.3	82.1	88.3	93.2	93.5	96.9	98.9	99.2	99.2	99.2	99.2	99.8	99.8	99.8	99.8
GE 1400	36.7	59.3	82.1	88.3	93.2	93.5	96.9	98.9	99.2	99.2	99.2	99.2	99.8	99.8	99.8	99.8
GE 1200	36.7	59.3	82.1	88.3	93.2	93.5	96.9	98.9	99.2	99.2	99.2	99.2	99.8	99.8	99.8	99.8
GE 1000	36.8	59.5	82.3	88.4	93.4	93.7	97.1	99.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 900	36.8	59.5	82.3	88.4	93.4	93.7	97.1	99.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 800	36.8	59.5	82.3	88.4	93.4	93.7	97.1	99.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 700	36.8	59.5	82.3	88.4	93.4	93.7	97.1	99.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 600	36.8	59.5	82.3	88.4	93.4	93.7	97.1	99.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 500	36.8	59.5	82.3	88.4	93.4	93.7	97.1	99.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 400	36.8	59.5	82.3	88.4	93.4	93.7	97.1	99.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 300	36.8	59.5	82.3	88.4	93.4	93.7	97.1	99.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 200	36.8	59.5	82.3	88.4	93.4	93.7	97.1	99.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 100	36.8	59.5	82.3	88.4	93.4	93.7	97.1	99.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
GE 0	36.8	59.5	82.3	88.4	93.4	93.7	97.1	99.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 649

GLOBAL CLIMATOLOGY BRANCH
UAFETAC
AIR WEATHER SERVICE/PAU

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 604330 STATION NAME: RYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: AUG HOURS(IST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	100	GE 90	GE 80	GE 60	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3	GE 2	
NO CEIL	1	18.1	37.2	55.8	61.4	64.4	64.6	67.1	68.0	68.7	68.7	69.3	69.3	69.3	69.3	69.4	
GE 2000		19.1	38.6	57.8	63.4	66.4	66.6	69.2	70.0	70.7	70.7	71.3	71.3	71.3	71.3	71.4	
GE 1800		19.1	38.6	57.8	63.4	66.4	66.6	69.2	70.0	70.7	70.7	71.3	71.3	71.3	71.3	71.4	
GE 1600		19.1	38.6	57.8	63.4	66.4	66.6	69.2	70.0	70.7	70.7	71.3	71.3	71.3	71.3	71.4	
GE 1400		19.1	38.6	57.8	63.4	66.4	66.6	69.2	70.0	70.7	70.7	71.3	71.3	71.3	71.3	71.4	
GE 1200		19.2	38.7	58.1	63.7	66.7	66.9	69.4	70.3	71.0	71.0	71.6	71.6	71.6	71.6	71.7	
GE 1000		19.5	39.0	58.4	64.0	67.0	67.1	69.7	70.6	71.3	71.4	72.0	72.0	72.0	72.0	72.2	
GE 900		19.5	39.0	58.4	64.0	67.0	67.1	69.7	70.6	71.3	71.4	72.0	72.0	72.0	72.0	72.2	
GE 800		19.5	39.0	58.4	64.0	67.0	67.1	69.7	70.6	71.3	71.4	72.0	72.0	72.0	72.0	72.2	
GE 700		19.5	39.0	58.4	64.0	67.0	67.1	69.7	70.6	71.3	71.4	72.0	72.0	72.0	72.0	72.2	
GE 600		19.5	39.0	58.4	64.0	67.0	67.1	69.7	70.6	71.3	71.4	72.0	72.0	72.0	72.0	72.2	
GE 500		47.1	66.6	85.9	91.5	94.5	94.7	97.3	98.1	98.9	99.0	99.6	99.6	99.6	99.6	99.7	
GE 450		47.1	66.6	85.9	91.5	94.5	94.7	97.3	98.1	98.9	99.0	99.6	99.6	99.6	99.6	99.7	
GE 400		47.1	66.6	85.9	91.5	94.5	94.7	97.3	98.1	98.9	99.0	99.6	99.6	99.6	99.6	99.7	
GE 350		47.1	66.6	85.9	91.5	94.5	94.7	97.3	98.1	98.9	99.0	99.6	99.6	99.6	99.6	99.7	
GE 300		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 250		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 200		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 180		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 160		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 140		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 120		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 100		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 90		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 80		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 70		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 60		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 50		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 40		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 30		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 20		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 10		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	
GE 0		47.2	66.7	86.1	91.7	94.7	94.8	97.4	98.3	99.0	99.1	99.7	99.7	99.7	99.7	99.9	

TOTAL NUMBER OF OBSERVATIONS: 697

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/HMC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404350 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: AUG HOURS (LST): 1200-1400

CEILING IN FEET	1	VISIBILITY IN HUNDREDS OF METERS															
		160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	1	27.1	37.8	46.6	48.5	49.5	49.5	49.6	49.6	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9
GE 20000	1	27.9	39.5	48.6	50.8	52.0	52.0	52.1	52.1	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4
GE 18000	1	27.9	39.5	48.6	50.8	52.0	52.0	52.1	52.1	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4
GE 16000	1	27.9	39.5	48.6	50.8	52.0	52.0	52.1	52.1	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4
GE 14000	1	27.9	39.5	48.6	50.8	52.0	52.0	52.1	52.1	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4
GE 12000	1	28.1	39.7	48.8	50.9	52.1	52.1	52.2	52.2	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5
GE 10000	1	28.2	39.8	48.9	51.1	52.2	52.2	52.4	52.4	52.7	52.7	53.0	53.0	53.0	53.0	53.0	53.0
GE 9000	1	28.2	39.8	48.9	51.1	52.2	52.2	52.4	52.4	52.7	52.7	53.0	53.0	53.0	53.0	53.0	53.0
GE 8000	1	28.2	39.8	48.9	51.1	52.2	52.2	52.4	52.4	52.7	52.7	53.0	53.0	53.0	53.0	53.0	53.0
GE 7000	1	28.4	39.9	49.1	51.2	52.4	52.4	52.5	52.5	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1
GE 6000	1	28.4	39.9	49.1	51.2	52.4	52.4	52.5	52.5	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1
GE 5000	1	75.0	86.5	95.7	97.8	99.0	99.0	99.1	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 4500	1	75.0	86.5	95.7	97.8	99.0	99.0	99.1	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 4000	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1600	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1400	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	1	75.3	86.8	95.9	98.1	99.3	99.3	99.4	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 691

GLOBAL CLIMATOLOGY BRANCH
USAFITAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: AUG HOURS(IST): 1500-1700

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	5 90	10 80	15 60	20 49	25 40	30 32	35 24	40 20	45 16	50 12	55 10	60 8	65 5	70 4	75 0
NO CEILING	29.7	37.2	43.9	45.2	45.5	45.6	45.9	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 20000	30.8	39.2	46.2	47.6	48.1	48.2	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 18000	30.8	39.2	46.2	47.6	48.1	48.2	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 16000	30.8	39.2	46.2	47.6	48.1	48.2	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 14000	30.8	39.2	46.2	47.6	48.1	48.2	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 12000	31.1	39.5	46.5	47.9	48.4	48.5	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 10000	31.3	39.7	46.8	48.2	48.6	48.8	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 9000	31.3	39.7	46.8	48.2	48.6	48.8	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 8000	32.1	40.6	47.6	49.1	49.5	49.6	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 7000	32.1	40.6	47.6	49.1	49.5	49.6	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 6000	32.1	40.6	47.6	49.1	49.5	49.6	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 5000	41.5	90.0	97.0	98.4	98.9	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4500	41.5	90.0	97.0	98.4	98.9	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4000	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3500	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1600	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1400	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	41.6	90.2	97.3	98.7	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 647

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAF

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 424780 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: AUG HOURS(EST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS																
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEILING		77.1	36.6	39.6	40.8	41.4	41.4	42.0	42.1	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.5	
GE 20000	.1	28.6	38.6	41.7	42.7	43.3	43.3	44.1	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.9	
GE 18000	.1	28.6	38.6	41.7	42.7	43.3	43.3	44.1	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.9	
GE 16000	.1	28.8	38.6	41.7	42.7	43.3	43.3	44.1	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.9	
GE 14000	.1	28.8	38.6	41.7	42.7	43.3	43.3	44.1	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.9	
GE 12000	.1	29.2	39.1	42.1	43.1	43.7	43.7	44.6	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.3	
GE 10000	.1	30.1	39.9	43.4	44.4	45.2	45.2	46.0	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.9	
GE 9000	.1	30.2	40.1	43.6	44.6	45.3	45.3	46.2	46.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	47.0	
GE 8000	.1	30.5	40.4	43.8	44.9	45.6	45.6	46.5	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.3	
GE 7000	.1	30.5	40.4	43.8	44.9	45.6	45.6	46.5	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.3	
GE 6000	.1	30.5	40.4	43.8	44.9	45.6	45.6	46.5	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.3	
GE 5000	.1	42.9	92.8	96.2	97.3	98.0	98.0	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	
GE 4500	.1	42.9	92.8	96.2	97.3	98.0	98.0	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	
GE 4000	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 3500	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 3000	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 2500	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 2000	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 1800	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 1600	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 1400	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 1200	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 1000	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 900	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 800	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 700	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 600	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 500	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 400	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 300	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 200	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 100	.1	93.1	93.1	96.5	97.5	98.3	98.3	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 691

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404780 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 7/-84
MONTH: AUG HOURS(IST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL		32.2	38.2	39.8	40.5	40.8	40.8	41.7	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 20000		33.1	39.2	41.2	41.8	42.1	42.1	43.1	43.2	43.4	43.4	43.5	43.7	43.7	43.7	43.7	43.7
GE 18000		33.1	39.2	41.2	41.8	42.1	42.1	43.1	43.2	43.4	43.4	43.5	43.7	43.7	43.7	43.7	43.7
GE 16000		33.1	39.2	41.2	41.8	42.1	42.1	43.1	43.2	43.4	43.4	43.5	43.7	43.7	43.7	43.7	43.7
GE 14000		33.1	39.2	41.2	41.8	42.1	42.1	43.1	43.2	43.4	43.4	43.5	43.7	43.7	43.7	43.7	43.7
GE 12000		33.6	39.7	41.7	42.3	42.6	42.6	43.5	43.7	43.8	43.8	44.0	44.1	44.1	44.1	44.1	44.1
GE 10000		34.0	40.2	42.1	42.7	43.1	43.1	44.0	44.1	44.3	44.3	44.4	44.6	44.6	44.6	44.6	44.6
GE 9000		34.2	40.5	42.7	43.4	43.7	43.7	44.6	44.7	44.9	44.9	45.0	45.2	45.2	45.2	45.2	45.2
GE 8000		34.7	40.9	43.2	43.8	44.1	44.1	45.0	45.2	45.3	45.3	45.5	45.6	45.6	45.6	45.6	45.6
GE 7000		34.7	40.9	43.2	43.8	44.1	44.1	45.0	45.2	45.3	45.3	45.5	45.6	45.6	45.6	45.6	45.6
GE 6000		34.7	40.9	43.2	43.8	44.1	44.1	45.0	45.2	45.3	45.3	45.5	45.6	45.6	45.6	45.6	45.6
GE 5000		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8
GE 4500		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8
GE 4000		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8
GE 3500		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8
GE 3000		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8
GE 2500		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8
GE 2000		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8
GE 1800		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8
GE 1600		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0
GE 1400		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0
GE 1200		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0
GE 1000		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0
GE 900		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0
GE 800		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0
GE 700		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0
GE 600		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0
GE 500		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0
GE 400		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0
GE 300		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0
GE 200		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0
GE 100		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0
GE 0		88.9	95.1	97.4	98.0	98.3	98.3	99.2	99.4	99.5	99.5	99.7	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 655

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 444380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: AUG HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CLIC	27.2	37.1	45.1	47.3	48.7	48.8	49.9	50.3	50.6	50.6	50.7	50.8	50.8	50.8	50.8	50.8
GE 20000	28.0	38.4	46.6	48.9	50.3	50.4	51.6	52.0	52.3	52.3	52.4	52.5	52.5	52.5	52.5	52.5
GE 18000	28.0	38.4	46.6	48.9	50.3	50.4	51.6	52.0	52.3	52.3	52.4	52.5	52.5	52.5	52.5	52.6
GE 16000	28.0	38.4	46.6	48.9	50.3	50.4	51.6	52.0	52.3	52.3	52.4	52.5	52.5	52.5	52.5	52.6
GE 14000	28.0	38.4	46.6	48.9	50.3	50.4	51.6	52.0	52.3	52.3	52.4	52.5	52.5	52.5	52.5	52.6
GE 12000	28.3	38.6	46.9	49.1	50.6	50.7	51.9	52.3	52.6	52.6	52.7	52.8	52.8	52.8	52.8	52.9
GE 10000	29.7	39.1	47.5	49.8	51.2	51.4	52.6	53.1	53.4	53.5	53.6	53.7	53.7	53.7	53.7	53.7
GE 9000	28.8	39.2	47.6	49.9	51.4	51.5	52.8	53.2	53.6	53.6	53.7	53.8	53.8	53.8	53.8	53.9
GE 8000	29.1	39.6	48.1	50.4	51.8	51.9	53.2	53.7	54.0	54.1	54.2	54.3	54.3	54.3	54.3	54.3
GE 7000	29.2	39.7	48.2	50.5	51.9	52.1	53.3	53.8	54.1	54.2	54.3	54.4	54.4	54.4	54.4	54.4
GE 6000	29.2	39.7	48.2	50.5	51.9	52.1	53.4	53.8	54.2	54.2	54.4	54.5	54.5	54.5	54.5	54.5
GE 5000	74.4	84.9	93.4	95.7	97.2	97.3	98.6	99.0	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7
GE 4500	74.4	84.9	93.4	95.7	97.2	97.3	98.6	99.0	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7
GE 4000	74.5	85.0	93.5	95.8	97.3	97.4	98.7	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.9
GE 3500	74.5	85.0	93.5	95.8	97.3	97.4	98.7	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.9
GE 3000	74.5	85.1	93.5	95.9	97.3	97.4	98.7	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
GE 2500	74.5	85.1	93.5	95.9	97.3	97.4	98.7	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
GE 2000	74.5	85.1	93.5	95.9	97.3	97.4	98.7	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
GE 1800	74.5	85.1	93.5	95.9	97.3	97.4	98.7	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
GE 1500	74.5	85.1	93.5	95.9	97.3	97.4	98.7	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
GE 1200	74.5	85.1	93.5	95.9	97.3	97.4	98.7	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
GE 1000	74.5	85.1	93.6	95.9	97.3	97.4	98.7	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0
GE 900	74.5	85.1	93.6	95.9	97.3	97.4	98.7	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0
GE 800	74.5	85.1	93.6	95.9	97.3	97.4	98.7	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0
GE 700	74.5	85.1	93.6	95.9	97.3	97.4	98.7	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0
GE 600	74.5	85.1	93.6	95.9	97.3	97.4	98.7	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0
GE 500	74.5	85.1	93.6	95.9	97.3	97.4	98.7	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0
GE 400	74.5	85.1	93.6	95.9	97.3	97.4	98.7	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0
GE 300	74.5	85.1	93.6	95.9	97.3	97.4	98.7	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0
GE 200	74.5	85.1	93.6	95.9	97.3	97.4	98.7	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0
GE 100	74.5	85.1	93.6	95.9	97.3	97.4	98.7	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 5392

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404360 STATION NAME: RYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: SEP HOURS(IST): 0000-0200

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	28.7	30.6	32.8	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.8	33.8	33.8	33.8
GE 20000	28.7	30.6	32.8	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.8	33.8	33.8	33.8
GE 18000	28.7	30.6	32.8	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.8	33.8	33.8	33.8
GE 16000	28.7	30.6	32.8	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.8	33.8	33.8	33.8
GE 14000	28.7	30.6	32.8	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.8	33.8	33.8	33.8
GE 12000	28.7	30.6	32.8	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.8	33.8	33.8	33.8
GE 10000	29.2	31.1	33.5	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.6	34.6	34.6	34.6
GE 9000	29.2	31.1	33.5	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.6	34.6	34.6	34.6
GE 8000	29.4	31.2	33.7	34.3	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.8	34.8	34.8	34.8
GE 7000	29.4	31.2	33.7	34.3	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.8	34.8	34.8	34.8
GE 6000	29.4	31.2	33.7	34.3	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.8	34.8	34.8	34.8
GE 5000	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 4500	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 4000	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 3500	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 3000	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 2500	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 2000	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 1800	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 1600	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 1400	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 1200	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 1000	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 900	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 800	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 700	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 600	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 500	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 400	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 300	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 200	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 100	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 0	94.6	96.4	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 647

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404360 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: SEP HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
NO CEIL		34.9	36.9	39.8	40.7	40.7	40.7	40.7	40.7	40.7	40.9	40.9	41.0	41.0	41.0	41.0
GE 20000		34.9	36.9	39.8	40.7	40.7	40.7	40.7	40.7	40.7	40.9	40.9	41.0	41.0	41.0	41.0
GE 18000		34.9	36.9	39.8	40.7	40.7	40.7	40.7	40.7	40.7	40.9	40.9	41.0	41.0	41.0	41.0
GE 16000		34.9	36.9	39.8	40.7	40.7	40.7	40.7	40.7	40.7	40.9	40.9	41.0	41.0	41.0	41.0
GE 14000		34.9	36.9	39.8	40.7	40.7	40.7	40.7	40.7	40.7	40.9	40.9	41.0	41.0	41.0	41.0
GE 12000		35.0	37.1	39.9	40.9	40.9	40.9	40.9	40.9	40.9	41.0	41.0	41.2	41.2	41.2	41.2
GE 10000		35.3	37.4	40.3	41.2	41.2	41.2	41.2	41.2	41.2	41.4	41.4	41.5	41.5	41.5	41.5
GE 9000		35.3	37.4	40.3	41.2	41.2	41.2	41.2	41.2	41.2	41.4	41.4	41.5	41.5	41.5	41.5
GE 8000		35.3	37.4	40.3	41.2	41.2	41.2	41.2	41.2	41.2	41.4	41.4	41.5	41.5	41.5	41.5
GE 7000		35.3	37.4	40.3	41.2	41.2	41.2	41.2	41.2	41.2	41.4	41.4	41.5	41.5	41.5	41.5
GE 6000		35.3	37.4	40.3	41.2	41.2	41.2	41.2	41.2	41.2	41.4	41.4	41.5	41.5	41.5	41.5
GE 5000		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 4500		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 4000		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 3500		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 3000		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 2500		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 2000		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 1800		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 1600		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 1400		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 1200		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 1000		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 900		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 800		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 700		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 600		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 500		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 400		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 300		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 200		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 100		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 0		93.8	95.9	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 631

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: SEP HOURS(IST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
FEET	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
NO CEIL	1	20.4	46.6	73.3	77.8	81.2	81.2	83.0	83.9	84.1	84.2	84.2	84.4	84.6	84.6	84.6	84.6
GE 20000		20.4	46.6	73.3	77.8	81.2	81.2	83.0	83.9	84.1	84.2	84.2	84.4	84.6	84.6	84.6	84.6
GE 18000		20.4	46.6	73.3	77.8	81.2	81.2	83.0	83.9	84.1	84.2	84.2	84.4	84.6	84.6	84.6	84.6
GE 16000		20.4	46.6	73.3	77.8	81.2	81.2	83.0	83.9	84.1	84.2	84.2	84.4	84.6	84.6	84.6	84.6
GE 14000		20.4	46.6	73.3	77.8	81.2	81.2	83.0	83.9	84.1	84.2	84.2	84.4	84.6	84.6	84.6	84.6
GE 12000		20.4	46.6	73.3	77.8	81.2	81.2	83.0	83.9	84.1	84.2	84.2	84.4	84.6	84.6	84.6	84.6
GE 10000		20.6	47.4	74.3	78.9	82.6	82.6	84.6	85.5	85.7	85.9	85.9	86.0	86.2	86.2	86.2	86.2
GE 9000		20.6	47.4	74.3	79.1	82.8	82.8	84.9	85.9	86.0	86.2	86.2	86.3	86.5	86.5	86.5	86.5
GE 8000		20.6	47.6	74.4	79.4	83.1	83.1	85.2	86.2	86.3	86.5	86.5	86.7	86.8	86.8	86.8	86.8
GE 7000		20.6	47.6	74.4	79.4	83.1	83.1	85.2	86.2	86.3	86.5	86.5	86.7	86.8	86.8	86.8	86.8
GE 6000		20.6	47.6	74.4	79.4	83.1	83.1	85.2	86.2	86.3	86.5	86.5	86.7	86.8	86.8	86.8	86.8
GE 5000		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 4500		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 4000		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 3500		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 3000		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 2500		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 2000		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 1800		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 1500		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 1200		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 1000		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 900		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 800		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 700		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 600		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 500		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 400		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 300		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 200		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 100		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 0		33.8	60.8	87.6	92.6	96.3	96.3	98.4	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 622

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: SEP HOURS(IST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	16.1	43.7	66.1	71.9	74.5	74.9	75.8	76.3	76.6	76.6	76.9	77.0	77.0	77.0	77.0	77.0	
GE 20000	16.1	43.7	66.1	71.9	74.5	74.9	75.8	76.3	76.6	76.6	76.9	77.0	77.0	77.0	77.0	77.0	
GE 18000	16.1	43.7	66.1	71.9	74.5	74.9	75.8	76.3	76.6	76.6	76.9	77.0	77.0	77.0	77.0	77.0	
GE 16000	16.1	43.7	66.1	71.9	74.5	74.9	75.8	76.3	76.6	76.6	76.9	77.0	77.0	77.0	77.0	77.0	
GE 14000	16.1	43.7	66.1	71.9	74.5	74.9	75.8	76.3	76.6	76.6	76.9	77.0	77.0	77.0	77.0	77.0	
GE 12000	16.1	43.8	66.2	72.1	74.6	75.1	76.0	76.4	76.7	76.7	77.0	77.2	77.2	77.2	77.2	77.2	
GE 10000	16.1	43.8	66.4	72.4	74.9	75.4	76.3	76.7	77.0	77.0	77.3	77.5	77.5	77.5	77.5	77.5	
GE 9000	16.1	43.8	66.4	72.4	74.9	75.4	76.3	76.7	77.0	77.0	77.3	77.5	77.5	77.5	77.5	77.5	
GE 8000	16.1	44.1	66.7	72.7	75.2	75.7	76.6	77.0	77.3	77.3	77.6	77.8	77.8	77.8	77.8	77.8	
GE 7000	16.2	44.3	66.8	72.8	75.4	75.8	76.7	77.2	77.5	77.5	77.8	77.9	77.9	77.9	77.9	77.9	
GE 6000	16.2	44.3	66.8	72.8	75.4	75.8	76.7	77.2	77.5	77.5	77.8	77.9	77.9	77.9	77.9	77.9	
GE 5000	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 4500	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 4000	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 3500	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 3000	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 2500	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 2000	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 1800	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 1500	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 1200	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 1000	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 900	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 800	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 700	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 600	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 500	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 400	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 300	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 200	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 100	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
GE 0	38.3	66.4	88.9	94.9	97.4	97.9	98.8	99.2	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 666

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: SEP HOURS(IST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0		
NO CELL	31.4	38.1	42.1	43.6	44.3	44.3	44.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 20000	31.4	38.1	42.1	43.6	44.3	44.3	44.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 14000	31.4	38.1	42.1	43.6	44.3	44.3	44.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 16000	31.4	38.1	42.1	43.6	44.3	44.3	44.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 14000	31.4	38.1	42.1	43.6	44.3	44.3	44.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 12000	31.4	38.1	42.1	43.6	44.3	44.3	44.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 10000	31.7	38.4	42.6	44.0	44.8	44.8	45.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 9000	31.7	38.4	42.6	44.0	44.8	44.8	45.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 8000	31.7	38.4	42.6	44.0	44.8	44.8	45.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 7000	31.7	38.4	42.6	44.0	44.8	44.8	45.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 6000	31.7	38.4	42.6	44.0	44.8	44.8	45.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 5000	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	85.3	92.0	96.1	97.6	98.4	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 672

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-84
MONTH: SEP HOURS(LST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NJ CEIL 1		33.8	37.6	40.5	40.8	41.6	41.6	42.0	42.3	42.4	42.4	42.6	42.6	42.6	42.6	42.6	
GE 20000		33.8	37.6	40.5	40.8	41.6	41.6	42.0	42.3	42.4	42.4	42.6	42.6	42.6	42.6	42.6	
GE 18000		33.8	37.6	40.5	40.8	41.6	41.6	42.0	42.3	42.4	42.4	42.6	42.6	42.6	42.6	42.6	
GE 16000		33.8	37.6	40.5	40.8	41.6	41.6	42.0	42.3	42.4	42.4	42.6	42.6	42.6	42.6	42.6	
GE 14000		33.8	37.6	40.5	40.8	41.6	41.6	42.0	42.3	42.4	42.4	42.6	42.6	42.6	42.6	42.6	
GE 12000		33.8	37.6	40.5	40.8	41.6	41.6	42.0	42.3	42.4	42.4	42.6	42.6	42.6	42.6	42.6	
GE 10000		34.4	38.2	41.1	41.6	42.3	42.3	42.7	43.0	43.2	43.2	43.3	43.3	43.3	43.3	43.3	
GE 9000		34.4	38.2	41.1	41.6	42.3	42.3	42.7	43.0	43.2	43.2	43.3	43.3	43.3	43.3	43.3	
GE 8000		34.5	38.3	41.4	41.9	42.6	42.6	43.0	43.3	43.5	43.5	43.6	43.6	43.6	43.6	43.6	
GE 7000		35.1	38.9	42.0	42.4	43.2	43.2	43.8	44.1	44.2	44.2	44.3	44.3	44.3	44.3	44.3	
GE 6000		35.1	38.9	42.0	42.4	43.2	43.2	43.8	44.1	44.2	44.2	44.3	44.3	44.3	44.3	44.3	
GE 5000		40.6	44.4	47.5	47.9	48.7	48.7	49.3	49.6	49.7	49.7	49.9	49.9	49.9	49.9	49.9	
GE 4500		40.6	44.4	47.5	47.9	48.7	48.7	49.3	49.6	49.7	49.7	49.9	49.9	49.9	49.9	49.9	
GE 4000		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 3500		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 3000		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 2500		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 2000		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 1800		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 1600		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 1500		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 1200		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 1000		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 900		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 800		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 700		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 600		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 500		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 400		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 300		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 200		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 100		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
GE 0		40.7	44.6	47.7	48.1	48.8	48.8	49.4	49.7	49.9	49.9	100.0	100.0	100.0	100.0	100.0	
TOTAL NUMBER OF OBSERVATIONS:		681															

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/HKC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: SEP HOURS(IST): 1800-2000

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 90	GE 80	GE 60	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GL 0
NO CEIL	1	31.7	36.1	37.5	37.7	38.1	38.3	38.9	38.9	39.0	39.0	39.2	39.2	39.2	39.2
GE 20000		31.7	36.1	37.5	37.7	38.1	38.3	38.9	38.9	39.0	39.0	39.2	39.2	39.2	39.2
GE 18000		31.7	36.1	37.5	37.7	38.1	38.3	38.9	38.9	39.0	39.0	39.2	39.2	39.2	39.2
GE 16000		31.7	36.1	37.5	37.7	38.1	38.3	38.9	38.9	39.0	39.0	39.2	39.2	39.2	39.2
GE 14000		31.7	36.1	37.5	37.7	38.1	38.3	38.9	38.9	39.0	39.0	39.2	39.2	39.2	39.2
GE 12000		31.7	36.3	37.7	37.6	38.3	38.4	39.0	39.0	39.2	39.2	39.3	39.3	39.3	39.3
GE 10000		31.9	36.4	38.0	38.1	38.6	38.7	39.5	39.5	39.6	39.6	39.8	39.8	39.8	39.8
GE 9000		32.2	36.7	38.3	38.4	38.9	39.0	39.8	39.8	39.9	39.9	40.1	40.2	40.2	40.2
GE 8000		32.2	36.9	38.4	38.7	39.3	39.5	40.2	40.4	40.5	40.5	40.7	40.9	40.9	40.9
GE 7000		32.2	36.9	38.4	38.9	39.5	39.6	40.4	40.5	40.7	40.7	40.9	41.0	41.0	41.0
GE 6000		32.2	36.9	38.4	38.9	39.5	39.6	40.4	40.5	40.7	40.7	40.9	41.0	41.0	41.0
GE 5000		91.0	95.7	97.3	97.7	98.3	98.5	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.8
GE 4000		91.0	95.7	97.3	97.7	98.3	98.5	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.8
GE 3000		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 2500		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 2000		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 1800		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 1600		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 1400		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 1200		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 1000		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 900		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 800		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 700		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 600		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 500		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 400		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 300		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 200		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 100		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0
GE 0		91.2	95.9	97.4	97.9	98.5	98.6	99.4	99.5	99.7	99.7	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 656

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: SEP HOURS(IST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	1	23	32.7	35.1	36.8	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.7	37.8	37.8	37.8	37.8
GE 20000	1	23	32.7	35.1	36.8	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.7	37.8	37.8	37.8	37.8
GE 18000	1	23	32.7	35.1	36.8	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.7	37.8	37.8	37.8	37.8
GE 16000	1	23	32.7	35.1	36.8	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.7	37.8	37.8	37.8	37.8
GE 14000	1	23	32.7	35.1	36.8	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.7	37.8	37.8	37.8	37.8
GE 12000	1	23	32.9	35.3	36.9	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.8	38.0	38.0	38.0	38.0
GE 10000	1	23	33.0	35.6	37.2	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.1	38.3	38.3	38.3	38.3
GE 9000	1	23	33.0	35.6	37.2	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.1	38.3	38.3	38.3	38.3
GE 8000	1	23	33.3	35.9	37.5	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.4	38.6	38.6	38.6	38.6
GE 7000	1	23	33.3	35.9	37.5	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.4	38.6	38.6	38.6	38.6
GE 6000	1	23	33.3	35.9	37.5	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.4	38.6	38.6	38.6	38.6
GE 5000	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 4500	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 4000	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 3500	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 3000	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 2500	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 2000	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 1800	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 1600	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 1400	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 1200	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 1000	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 900	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 800	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 700	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 600	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 500	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 400	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 300	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 200	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
GE 100	1	23	94.7	97.3	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 666

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404360 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: SEP HOURS(LST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	.0	28.8	38.1	46.0	47.8	48.8	48.8	49.4	49.7	49.8	49.9	50.0	50.1	50.1	50.1	50.1
GE 20000	.0	28.8	38.1	46.0	47.8	48.8	48.8	49.4	49.7	49.8	49.9	50.0	50.0	50.1	50.1	50.1	50.1
GE 18000	.0	28.8	38.1	46.0	47.8	48.8	48.8	49.4	49.7	49.8	49.9	50.0	50.0	50.1	50.1	50.1	50.1
GE 16000	.0	28.8	38.1	46.0	47.8	48.8	48.8	49.4	49.7	49.8	49.9	50.0	50.0	50.1	50.1	50.1	50.1
GE 14000	.0	28.8	38.1	46.0	47.8	48.8	48.8	49.4	49.7	49.8	49.9	50.0	50.0	50.1	50.1	50.1	50.1
GE 12000	.0	28.8	38.2	46.1	47.9	48.9	48.9	49.5	49.8	49.9	50.0	50.1	50.1	50.2	50.2	50.2	50.2
GE 10000	.0	29.1	38.5	46.5	48.4	49.4	49.5	50.0	50.4	50.5	50.5	50.7	50.7	50.8	50.8	50.8	50.8
GE 9000	.0	29.1	38.5	46.6	48.4	49.5	49.6	50.1	50.5	50.6	50.6	50.7	50.7	50.8	50.9	50.9	50.9
GE 8000	.0	29.2	38.7	46.7	48.6	49.7	49.8	50.4	50.7	50.8	50.9	51.0	51.0	51.1	51.1	51.1	51.1
GE 7000	.0	29.3	38.8	46.8	48.8	49.8	49.9	50.5	50.8	51.0	51.0	51.1	51.1	51.2	51.2	51.2	51.2
GE 6000	.0	29.3	38.8	46.8	48.8	49.8	49.9	50.5	50.8	51.0	51.0	51.1	51.1	51.2	51.2	51.2	51.2
GE 5000	.0	78.0	87.5	95.5	97.5	98.5	98.6	99.2	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0
GE 4500	.0	78.0	87.5	95.5	97.5	98.5	98.6	99.2	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0
GE 4000	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 3500	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 3000	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 2500	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 2000	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 1800	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 1500	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 1200	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 1000	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 900	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 800	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 700	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 600	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 500	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 0	.0	78.0	87.5	95.6	97.5	98.6	98.6	99.2	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 5241

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MPC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: OCT HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	27.7	29.5	31.0	31.0	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.6	31.6	31.6
GE 20000	27.9	29.7	31.1	31.1	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.8	31.8	31.8
GE 18000	27.9	29.7	31.1	31.1	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.8	31.8	31.8
GE 16000	27.9	29.7	31.1	31.1	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.8	31.8	31.8
GE 14000	27.9	29.7	31.1	31.1	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.8	31.8	31.8
GE 12000	28.2	30.0	31.5	31.5	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	32.1	32.1	32.1
GE 10000	28.5	30.3	31.8	31.8	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.6	32.6	32.6
GE 9000	29.7	31.5	32.9	33.1	33.5	33.5	33.5	33.5	33.5	33.7	33.7	33.7	33.7	33.9	33.9	33.9
GE 8000	30.2	32.4	33.9	34.0	34.5	34.5	34.5	34.5	34.5	34.7	34.7	34.7	34.7	34.8	34.8	34.8
GE 7000	30.3	32.6	34.0	34.2	34.7	34.7	34.7	34.7	34.7	34.8	34.8	34.8	34.8	35.0	35.0	35.0
GE 6000	30.3	32.6	34.0	34.2	34.7	34.7	34.7	34.7	34.7	34.8	34.8	34.8	34.8	35.0	35.0	35.0
GE 5000	94.5	96.8	98.2	98.4	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2
GE 4500	94.5	96.8	98.2	98.4	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2
GE 4000	94.5	96.8	98.2	98.4	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2
GE 3500	94.7	97.3	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.7	99.7	99.7
GE 3000	94.7	97.3	98.9	99.0	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 2500	94.7	97.3	98.9	99.0	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 2000	94.7	97.3	98.9	99.0	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 1800	94.7	97.3	98.9	99.0	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 1500	94.7	97.3	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 1200	94.7	97.3	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 1000	94.7	97.3	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 900	94.7	97.3	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 800	94.7	97.3	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 700	94.7	97.3	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 600	94.7	97.3	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 500	94.7	97.3	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 400	94.7	97.3	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 300	94.7	97.3	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 200	94.7	97.3	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 100	94.7	97.3	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 0	94.7	97.3	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 620

GLOBAL CLIMATOLOGY BRANCH
USAF/ATC
AIR WEATHER SERVICE/NAAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404360 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: OCT HOURS (LST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	33.7	35.4	36.3	36.6	36.6	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 20000	33.9	35.6	36.5	36.8	36.8	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 18000	33.9	35.6	36.5	36.8	36.8	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 16000	33.9	35.6	36.5	36.8	36.8	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 14000	33.9	35.6	36.5	36.8	36.8	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 12000	34.2	35.9	36.8	37.1	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 10000	34.9	36.6	37.6	37.9	37.9	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 9000	36.3	38.0	39.0	39.3	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 8000	37.7	39.8	40.7	41.0	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 7000	37.7	39.8	40.7	41.0	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 6000	37.7	39.8	40.7	41.0	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 5000	95.0	97.0	98.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4500	95.0	97.0	98.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4000	95.0	97.0	98.0	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3500	95.3	97.5	98.4	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3000	95.3	97.5	98.4	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2500	95.5	97.7	98.6	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000	95.7	97.8	98.8	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	95.8	98.0	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	95.8	98.0	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	95.8	98.0	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	95.8	98.0	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	95.8	98.0	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	95.8	98.0	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	95.8	98.0	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	95.8	98.0	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	95.8	98.0	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.8	98.0	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.8	98.0	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.8	98.0	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.8	98.0	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	95.8	98.0	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 644

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: OCT HOURS(LST): 0600-0600

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	
NO CEIL	24.2	47.6	64.3	69.2	71.9	72.0	73.4	73.4	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	
GE 20000	24.4	48.9	65.7	70.8	73.6	73.7	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	
GE 18000	24.8	48.9	65.7	70.8	73.6	73.7	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	
GE 16000	25.2	49.2	66.0	71.1	73.9	74.1	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	
GE 12000	25.3	49.4	66.2	71.2	74.1	74.2	75.6	75.6	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	
GE 10000	26.1	50.8	67.8	72.8	75.6	75.8	77.2	77.2	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	
GE 9000	26.6	51.7	69.0	74.1	77.0	77.2	78.6	78.6	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	
GE 8000	27.8	53.3	70.6	75.6	78.6	78.8	80.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	
GE 7000	27.8	53.3	70.6	75.6	78.6	78.8	80.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	
GE 6000	27.8	53.3	70.6	75.6	78.6	78.8	80.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	
GE 5000	45.6	71.1	88.4	93.4	96.4	96.5	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 4500	45.6	71.1	88.4	93.4	96.4	96.5	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 4000	45.6	71.1	88.5	93.6	96.5	96.7	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
GE 3500	45.6	71.2	88.7	93.7	96.7	96.9	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
GE 3000	45.8	71.5	89.0	94.0	97.0	97.2	98.7	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
GE 2500	45.9	71.7	89.2	94.2	97.2	97.3	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 2000	45.9	71.7	89.2	94.2	97.3	97.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 1800	45.9	71.7	89.2	94.2	97.3	97.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 1600	45.9	71.7	89.2	94.2	97.3	97.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 1400	45.9	71.7	89.2	94.2	97.3	97.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 1200	45.9	71.7	89.2	94.2	97.3	97.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 1000	45.9	71.7	89.2	94.2	97.3	97.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 900	45.9	71.7	89.2	94.2	97.3	97.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 800	45.9	71.7	89.2	94.2	97.3	97.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 700	45.9	71.7	89.2	94.2	97.3	97.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 600	45.9	71.7	89.2	94.2	97.3	97.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 500	45.9	71.7	89.2	94.2	97.3	97.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 400	45.9	71.7	89.2	94.2	97.3	97.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 300	45.9	71.7	89.2	94.2	97.3	97.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 200	45.9	71.7	89.2	94.2	97.3	97.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 100	45.9	71.7	89.2	94.2	97.3	97.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 0	45.9	71.7	89.2	94.2	97.3	97.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	

TOTAL NUMBER OF OBSERVATIONS: 436

GLOBAL CLIMATOLOGY BRANCH
USAF/DTIC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: OCT HOURS(IST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 60	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	15.4	34.0	53.2	60.5	66.1	66.7	68.6	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.5
GE 20000		15.7	35.6	55.5	63.0	68.7	69.3	71.2	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0
GE 18000		15.7	35.6	55.5	63.0	68.7	69.3	71.2	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0
GE 16000		15.7	35.6	55.5	63.0	68.7	69.3	71.2	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0
GE 14000		15.7	35.6	55.5	63.0	68.7	69.3	71.2	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0
GE 12000		15.7	36.0	55.9	63.4	69.2	69.7	71.6	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.5
GE 10000		16.7	37.9	58.1	65.6	71.3	71.9	73.9	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.8
GE 9000		17.3	38.8	59.1	66.6	72.3	72.9	74.9	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.8
GE 8000		18.6	40.2	60.5	68.2	73.9	74.5	76.7	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5
GE 7000		18.6	40.2	60.5	68.2	73.9	74.5	76.7	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5
GE 6000		18.6	40.2	60.5	68.2	73.9	74.5	76.7	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5
GE 5000		38.9	60.5	80.8	88.5	94.2	94.8	97.0	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
GE 4500		38.9	60.5	80.8	88.5	94.2	94.8	97.0	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
GE 4000		38.9	60.8	81.4	89.2	95.0	95.5	97.7	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6
GE 3500		39.0	61.1	81.7	89.5	95.2	95.8	98.0	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8
GE 3000		39.3	61.7	82.3	90.1	95.8	96.4	98.6	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
GE 2500		39.3	61.7	82.3	90.1	95.8	96.4	98.6	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
GE 2000		39.3	61.7	82.3	90.1	96.0	96.5	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 1800		39.3	61.7	82.3	90.1	96.0	96.5	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 1600		39.3	61.7	82.3	90.1	96.0	96.5	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 1400		39.3	61.7	82.3	90.1	96.0	96.5	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 1200		39.3	61.7	82.3	90.1	96.0	96.5	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 1000		39.3	61.7	82.3	90.1	96.0	96.5	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 900		39.3	61.7	82.3	90.1	96.0	96.5	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 800		39.3	61.7	82.3	90.1	96.0	96.5	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 700		39.3	61.7	82.3	90.1	96.0	96.5	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 600		39.3	61.7	82.3	90.1	96.0	96.5	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 500		39.3	61.7	82.3	90.1	96.0	96.5	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 400		39.3	61.7	82.3	90.2	96.1	96.7	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
GE 300		39.3	61.7	82.3	90.2	96.1	96.7	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
GE 200		39.3	61.7	82.3	90.2	96.1	96.7	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
GE 100		39.3	61.7	82.3	90.2	96.1	96.7	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
GE 0		39.3	61.7	82.3	90.2	96.1	96.7	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9

TOTAL NUMBER OF OBSERVATIONS: 694

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84

MONTH: OCT

HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1 160	3 90	5 80	6 60	8 48	10 40	12 32	15 24	20 20	25 16	30 12	40 10	48 8	60 5	80 4	100 0
NO CEIL	76.7	40.4	43.5	44.1	44.7	44.8	45.4	45.5	45.5	45.5	45.5	45.6	45.8	45.8	45.8	45.8
GE 20000	28.0	42.7	45.9	46.5	47.1	47.2	47.8	47.9	47.9	47.9	47.9	48.1	48.2	48.2	48.2	48.2
GE 18000	28.0	42.7	45.9	46.5	47.1	47.2	47.8	47.9	47.9	47.9	47.9	48.1	48.2	48.2	48.2	48.2
GE 16000	28.0	42.7	45.9	46.5	47.1	47.2	47.8	47.9	47.9	47.9	47.9	48.1	48.2	48.2	48.2	48.2
GE 14000	28.1	42.9	46.2	46.8	47.4	47.5	48.1	48.2	48.2	48.2	48.2	48.4	48.5	48.5	48.5	48.5
GE 12000	28.4	43.4	46.6	47.2	47.8	47.9	48.5	48.6	48.6	48.6	48.6	48.8	48.9	48.9	48.9	48.9
GE 10000	20.4	45.9	49.2	50.1	50.6	50.8	51.4	51.5	51.5	51.5	51.5	51.6	51.8	51.8	51.8	51.8
GE 9000	31.2	46.9	50.2	51.1	51.6	51.8	52.4	52.5	52.5	52.5	52.5	52.6	52.8	52.8	52.8	52.8
GE 8000	32.0	47.6	51.1	52.1	52.6	52.8	53.4	53.5	53.5	53.5	53.5	53.6	53.8	53.8	53.8	53.8
GE 7000	32.0	47.6	51.1	52.1	52.6	52.8	53.4	53.5	53.5	53.5	53.5	53.6	53.8	53.8	53.8	53.8
GE 6000	32.0	47.6	51.1	52.1	52.6	52.8	53.4	53.5	53.5	53.5	53.5	53.6	53.8	53.8	53.8	53.8
GE 5000	76.9	92.6	96.0	97.0	97.6	97.7	98.3	98.4	98.4	98.4	98.4	98.6	98.7	98.7	98.7	98.7
GE 4500	76.9	92.6	96.0	97.0	97.6	97.7	98.3	98.4	98.4	98.4	98.4	98.6	98.7	98.7	98.7	98.7
GE 4000	77.5	93.2	96.6	97.7	98.4	98.6	99.1	99.3	99.3	99.3	99.3	99.4	99.6	99.6	99.6	99.6
GE 3500	77.6	93.3	96.7	97.9	98.6	98.7	99.3	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7
GE 3000	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.6	99.6	99.6	99.6	99.7	99.9	99.9	99.9	99.9
GE 2500	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.6	99.6	99.6	99.6	99.7	99.9	99.9	99.9	99.9
GE 2000	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
GE 1800	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
GE 1600	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
GE 1400	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
GE 1200	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
GE 1000	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
GE 900	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
GE 800	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
GE 700	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
GE 600	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
GE 500	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
GE 400	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
GE 300	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
GE 200	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
GE 100	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0
GE 0	77.7	93.4	96.9	98.0	98.7	98.9	99.4	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 701

GLOBAL CLIMATOLOGY BRANCH
USAF/FLTC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: OCT HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	33.8	36.6	38.0	38.3	38.3	38.3	38.5	38.5	38.5	38.6	38.6	38.8	38.8	38.8	38.8	38.8
GE 2000	1	35.6	38.5	39.9	40.2	40.2	40.2	40.3	40.3	40.5	40.5	40.5	40.6	40.6	40.6	40.6	40.6
GE 1800	1	35.6	38.5	39.9	40.2	40.2	40.2	40.3	40.3	40.5	40.5	40.5	40.6	40.6	40.6	40.6	40.6
GE 1600	1	35.6	38.5	39.9	40.2	40.2	40.2	40.3	40.3	40.5	40.5	40.5	40.6	40.6	40.6	40.6	40.6
GE 1400	1	35.7	38.9	40.3	40.6	40.6	40.6	40.8	40.8	40.9	40.9	41.1	41.1	41.1	41.1	41.1	41.1
GE 1200	1	36.1	39.3	41.1	41.4	41.4	41.4	41.5	41.5	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8
GE 1000	1	38.8	42.1	44.0	44.3	44.3	44.3	44.4	44.4	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7
GE 900	1	39.0	42.4	44.3	44.6	44.6	44.6	44.7	44.7	44.8	44.8	45.0	45.0	45.0	45.0	45.0	45.0
GE 800	1	39.2	42.7	44.7	45.3	45.3	45.3	45.4	45.4	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7
GE 700	1	39.5	43.0	45.0	45.6	45.6	45.6	45.7	45.7	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0
GE 600	1	39.5	43.0	45.0	45.6	45.6	45.6	45.7	45.7	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0
GE 500	1	92.0	95.5	97.5	98.1	98.1	98.1	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 450	1	92.2	95.8	97.8	98.4	98.4	98.4	98.5	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	1	92.6	96.2	98.4	99.0	99.0	99.0	99.1	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
GE 350	1	92.9	96.7	98.8	99.4	99.4	99.4	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 250	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 180	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 160	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 140	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 120	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 90	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 80	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 70	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 60	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 50	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 40	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 30	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 20	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 10	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	1	92.9	96.8	99.0	99.6	99.6	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 689

GLOBAL CLIMATOLOGY BRANCH
USAF/LTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: OCT HOURS(IST): 1800-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	79.5	35.8	18.5	39.1	39.3	39.4	39.6	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 20000	30.4	37.2	40.2	40.8	40.9	41.1	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 18000	30.4	37.2	40.2	40.8	40.9	41.1	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 16000	30.4	37.2	40.2	40.8	40.9	41.1	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 14000	30.4	37.2	40.2	40.8	40.9	41.1	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 12000	30.8	37.6	40.6	41.2	41.4	41.5	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 10000	31.9	38.8	41.8	42.4	42.6	42.7	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 9000	31.9	38.8	41.8	42.4	42.6	42.7	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 8000	32.6	39.7	43.7	43.7	43.8	44.0	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 7000	32.6	39.7	43.7	43.7	43.8	44.0	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 6000	32.6	39.7	43.7	43.7	43.8	44.0	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 5000	86.4	93.5	96.8	97.4	97.6	97.7	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 4500	86.4	93.5	96.8	97.6	97.7	97.9	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 4000	87.5	94.7	98.0	98.8	98.9	99.1	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7
GE 3500	87.5	94.7	98.0	98.8	98.9	99.1	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7
GE 3000	87.5	94.7	98.0	98.8	98.9	99.1	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7
GE 2500	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 2000	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 1800	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 1600	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 1400	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 1200	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 1000	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 900	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 800	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 700	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 600	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 500	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 400	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 300	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 200	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 100	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 0	87.6	95.0	98.3	99.1	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 662

GLOBAL CLIMATOLOGY BRANCH
USAF/PTAC
WFO WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404140 STATION NAME: RIYATH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: OCT HOURS(IST): 2100-2300

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	160	90	80	60	40	40	32	24	20	16	12	10	9	5	4	0
NO CEIL	32.8	36.3	38.1	38.3	38.4	39.4	38.6	38.8	38.8	39.8	38.8	38.8	38.8	38.8	38.8	38.8
GE 2000	33.4	36.9	38.8	38.9	39.1	39.1	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 1800	33.4	36.9	38.8	38.9	39.1	39.1	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 1600	33.4	36.9	38.8	38.9	39.1	39.1	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 1400	33.4	36.9	38.8	38.9	39.1	39.1	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 1200	33.7	37.2	39.1	39.2	39.4	39.4	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 1000	34.3	37.6	39.7	39.8	40.0	40.0	40.1	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 900	34.7	38.3	40.1	40.3	40.4	40.4	40.6	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 800	35.4	39.1	41.0	41.2	41.3	41.3	41.5	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 700	35.6	39.2	41.2	41.3	41.5	41.5	41.8	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 600	35.6	39.2	41.2	41.3	41.5	41.5	41.8	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 500	91.9	95.6	97.6	97.7	97.9	97.9	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 450	91.9	95.6	97.6	97.7	97.9	97.9	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 400	92.9	97.0	98.9	99.1	99.2	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 350	92.9	97.0	98.9	99.1	99.2	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 250	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 180	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 160	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 140	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 120	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 90	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 80	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 70	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 60	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 50	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 40	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 30	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 20	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 10	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	92.9	97.0	99.1	99.2	99.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 658

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/WHC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: OCT HOURS (LST): ALL

CEILING FEET	VISIBILITY IN HUNDREDS OF METERS														
	160	90	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	27.9	37.0	42.9	44.7	45.9	46.1	46.6	46.8	46.8	46.9	46.9	46.9	46.9	46.9	47.0
GE 20000	28.7	38.2	44.3	46.1	47.4	47.5	48.1	48.2	48.3	48.3	48.3	48.4	48.4	48.4	48.4
GE 18000	28.7	38.2	44.3	46.1	47.4	47.5	48.1	48.2	48.3	48.3	48.3	48.4	48.4	48.4	48.4
GE 16000	28.7	38.2	44.3	46.1	47.4	47.5	48.1	48.2	48.3	48.3	48.3	48.4	48.4	48.4	48.4
GE 14000	28.7	38.3	44.4	46.2	47.5	47.6	48.2	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5
GE 12000	29.0	38.7	44.8	46.6	47.9	48.0	48.6	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9
GE 10000	30.2	40.1	46.4	48.2	49.5	49.6	50.2	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.6
GE 9000	30.8	40.9	47.2	49.1	50.3	50.5	51.1	51.2	51.3	51.3	51.4	51.4	51.4	51.4	51.4
GE 8000	31.7	41.8	48.3	50.3	51.5	51.7	52.3	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.7
GE 7000	31.7	42.0	48.4	50.3	51.6	51.8	52.4	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.8
GE 6000	31.7	42.0	48.4	50.3	51.6	51.8	52.4	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.8
GE 5000	77.5	87.7	94.1	96.1	97.3	97.5	98.1	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5
GE 4500	77.5	87.7	94.1	96.1	97.4	97.5	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5
GE 4000	77.8	88.2	94.7	96.7	98.0	98.2	98.8	98.9	99.0	99.1	99.1	99.1	99.2	99.2	99.2
GE 3500	78.0	88.5	94.9	97.0	98.3	98.4	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4
GE 3000	78.1	88.6	95.1	97.2	98.5	98.6	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 2500	78.1	88.7	95.2	97.2	98.5	98.7	99.3	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7
GE 2000	78.1	88.7	95.2	97.2	98.6	98.7	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.8
GE 1800	78.1	88.7	95.2	97.3	98.6	98.7	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8
GE 1500	78.1	88.7	95.3	97.3	98.6	98.8	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
GE 1200	78.1	88.8	95.3	97.3	98.7	98.8	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
GE 1000	78.1	88.8	95.4	97.4	98.7	98.8	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 900	78.1	88.8	95.4	97.4	98.7	98.8	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 800	78.1	88.8	95.4	97.4	98.7	98.8	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 700	78.1	88.8	95.4	97.4	98.7	98.8	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 600	78.1	88.8	95.4	97.4	98.7	98.8	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 500	78.1	88.8	95.4	97.4	98.7	98.8	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 400	78.1	88.8	95.4	97.4	98.7	98.9	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 300	78.1	88.8	95.4	97.4	98.7	98.9	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 200	78.1	88.8	95.4	97.4	98.7	98.9	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 100	78.1	88.8	95.4	97.4	98.7	98.9	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0
GE 0	78.1	88.8	95.4	97.4	98.7	98.9	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 5304

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: NOV HOURS(LST): 0000-0200

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 00	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		27.0	29.0	31.1	31.6	32.2	32.2	32.6	32.6	32.6	32.8	32.8	32.8	32.8	32.8	32.8	
GE 2000		28.2	30.5	32.6	33.1	33.7	33.7	34.1	34.1	34.1	34.3	34.3	34.3	34.3	34.3	34.3	
GE 1800		28.2	30.5	32.6	33.1	33.7	33.7	34.1	34.1	34.1	34.3	34.3	34.3	34.3	34.3	34.3	
GE 1600		28.2	30.5	32.6	33.1	33.7	33.7	34.1	34.1	34.1	34.3	34.3	34.3	34.3	34.3	34.3	
GE 1400		28.2	30.5	32.6	33.1	33.7	33.7	34.1	34.1	34.1	34.3	34.3	34.3	34.3	34.3	34.3	
GE 1200		28.4	30.6	32.8	33.2	33.8	33.8	34.3	34.3	34.3	34.5	34.5	34.5	34.5	34.5	34.5	
GE 1000		29.7	32.2	34.3	34.8	35.4	35.4	35.8	35.8	35.8	36.0	36.0	36.0	36.0	36.0	36.0	
GE 900		31.3	33.7	36.0	36.4	37.2	37.2	37.7	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	
GE 800		31.9	34.3	36.6	37.0	37.8	37.8	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	
GE 700		31.9	34.3	36.6	37.0	37.8	37.8	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	
GE 600		31.9	34.3	36.6	37.0	37.8	37.8	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	
GE 500		91.9	94.4	96.6	97.1	97.9	97.9	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	
GE 450		91.9	94.4	96.6	97.1	97.9	97.9	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	
GE 400		92.2	94.7	97.0	97.4	98.2	98.2	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	
GE 350		92.2	94.7	97.0	97.4	98.2	98.2	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	
GE 300		92.2	94.7	97.6	98.0	98.8	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	
GE 250		92.2	94.7	97.6	98.0	98.8	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	
GE 200		92.2	94.8	97.7	98.2	98.9	98.9	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	
GE 180		92.2	94.8	97.7	98.2	98.9	98.9	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	
GE 150		92.2	94.8	97.7	98.2	98.9	98.9	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	
GE 120		92.2	94.8	97.7	98.2	98.9	98.9	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	
GE 100		92.2	94.8	97.7	98.2	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 90		92.2	94.8	97.7	98.2	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 80		92.2	94.8	97.7	98.2	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 70		92.2	94.8	97.7	98.2	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 60		92.2	94.8	97.7	98.2	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 50		92.2	94.8	97.7	98.2	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 40		92.2	94.8	97.7	98.2	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 30		92.2	94.8	97.7	98.2	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 20		92.2	94.8	97.7	98.2	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 10		92.2	94.8	97.7	98.2	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0		92.2	94.8	97.7	98.2	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0		92.2	94.8	97.7	98.2	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
TOTAL NUMBER OF OBSERVATIONS:		656															

TOTAL NUMBER OF OBSERVATIONS: 656

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MA

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: NOV HOURS (LST): 0300-0500

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		33.1	36.9	38.5	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.9
GE 2000		33.9	37.7	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.7
GE 1800		33.9	37.7	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.7
GE 1600		33.9	37.7	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.7
GE 1400		33.9	37.7	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.7
GE 1200		34.1	37.8	39.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.9
GE 1000		35.3	39.2	40.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.3
GE 900		36.6	40.5	42.2	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.7
GE 800		37.4	41.3	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.6
GE 700		37.4	41.3	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.6
GE 600		37.4	41.3	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.6
GE 500		91.7	95.6	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0
GE 450		91.7	95.6	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0
GE 400		92.2	96.1	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1
GE 350		92.2	96.1	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1
GE 300		92.2	96.2	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4
GE 250		92.2	96.2	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.7
GE 200		92.2	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
GE 180		92.2	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
GE 160		92.2	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
GE 140		92.2	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
GE 120		92.2	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
GE 100		92.2	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
GE 90		92.2	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
GE 80		92.2	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
GE 70		92.2	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
GE 60		92.2	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
GE 50		92.2	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
GE 40		92.2	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
GE 30		92.2	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
GE 20		92.2	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
GE 10		92.2	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
GE 0		92.2	96.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 637

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/WHC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404300 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: NOV HOURS(LST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	BY FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	28.3	40.8	51.3	54.8	56.0	56.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 20000		29.8	42.9	53.7	57.5	58.8	58.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 18000		29.8	42.9	53.7	57.5	58.8	58.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 16000		29.8	42.9	53.7	57.5	58.8	58.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 14000		29.8	42.9	53.7	57.5	58.8	58.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 12000		30.6	43.7	54.5	58.6	59.8	59.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 10000		32.3	45.8	56.9	61.0	62.3	62.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 9000		33.5	47.3	58.6	62.7	63.9	63.9	65.0	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 8000		35.5	51.0	62.6	66.7	68.0	68.0	69.1	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 7000		35.6	51.1	62.7	66.8	68.2	68.2	69.3	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 6000		35.6	51.1	62.7	66.8	68.2	68.2	69.3	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 5000		61.8	77.3	88.9	93.0	94.4	94.4	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 4500		61.8	77.3	88.9	93.0	94.4	94.4	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 4000		63.0	78.8	90.7	95.0	96.5	96.5	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 3500		63.0	78.8	90.7	95.0	96.5	96.5	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 3000		63.3	79.3	91.5	95.7	97.3	97.3	98.3	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8
GE 2500		63.3	79.3	91.6	95.9	97.7	97.7	98.8	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000		63.3	79.5	91.8	96.0	97.9	97.9	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800		63.3	79.5	91.8	96.0	97.9	97.9	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500		63.3	79.5	91.8	96.0	97.9	97.9	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200		63.3	79.5	91.8	96.0	97.9	97.9	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000		63.3	79.5	91.9	96.2	98.0	98.0	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 900		63.3	79.5	91.9	96.2	98.0	98.0	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 800		63.3	79.5	91.9	96.2	98.0	98.0	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 700		63.3	79.5	91.9	96.2	98.0	98.0	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 600		63.3	79.5	91.9	96.2	98.0	98.0	99.2	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		63.3	79.5	91.9	96.2	98.0	98.0	99.2	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		63.3	79.5	91.9	96.2	98.0	98.0	99.2	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		63.3	79.5	91.9	96.2	98.0	98.0	99.2	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		63.3	79.5	91.9	96.2	98.0	98.0	99.2	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		63.3	79.5	91.9	96.2	98.0	98.0	99.2	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		63.3	79.5	91.9	96.2	98.0	98.0	99.2	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 657

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

~~PERIOD OF RECORD: 77-84~~

PERIOD OF RECORD: 77-84
MONTH: NOV HOURS(LST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS																	
	IN FEET	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	100
NO.	CEIL.	1	.1	16.6	30.0	47.2	51.8	53.4	53.5	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.8
GE	20000'	.1	17.8	31.8	50.4	55.3	56.9	57.0	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.5
GE	18000'	.1	17.8	31.8	50.4	55.3	56.9	57.0	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.5
GE	16000'	.1	17.8	31.8	50.4	55.3	56.9	57.0	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.5
GE	14000'	.1	17.8	31.8	50.4	55.3	56.9	57.0	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.5
GE	12000'	.1	17.8	32.3	50.9	55.9	57.5	57.6	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	59.0
GE	10000'	.1	19.7	34.6	53.5	58.5	60.1	60.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.6
GE	9000'	.1	20.0	35.3	54.4	59.5	61.1	61.2	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.8
GE	8000'	.1	22.1	37.8	57.9	61.0	64.8	65.0	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.6
GE	7000'	.1	22.3	37.9	58.2	63.2	65.1	65.3	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.9
GE	6000'	.1	22.3	37.9	58.2	63.2	65.1	65.3	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.9
GE	5000'	.1	49.8	65.4	85.7	90.7	92.6	92.8	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.4
GE	4500'	.1	50.1	65.7	86.0	91.0	92.9	93.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.6
GE	4000'	.1	51.5	68.0	88.6	93.8	95.7	95.8	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.5
GE	3500'	.1	51.8	68.0	88.7	93.9	95.8	95.9	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.7
GE	3000'	.1	52.1	68.5	89.3	94.6	96.8	97.0	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.1
GE	2500'	.1	52.1	68.5	89.4	94.4	97.3	97.4	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6
GE	2000'	.1	52.4	68.7	89.9	95.4	97.7	97.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE	1800'	.1	52.4	68.7	89.9	95.4	97.7	97.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE	1500'	.1	52.4	68.7	89.9	95.4	97.7	97.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE	1200'	.1	52.4	68.7	89.9	95.4	97.7	97.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE	1000'	.1	52.4	68.7	89.9	95.4	97.7												

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 444360 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: NOV HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	90	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	23.7	31.3	37.2	37.4	37.8	37.8	38.0	38.2	38.4	38.4	38.4	38.4	38.7	38.7	38.8	38.8
GE 20000	25.1	34.2	41.1	41.6	42.0	42.0	42.1	42.4	42.6	42.6	42.6	42.6	42.9	42.9	43.0	43.0
GE 18000	25.3	34.3	41.4	41.8	42.3	42.3	42.4	42.7	42.9	42.9	42.9	42.9	43.1	43.1	43.3	43.3
GE 16000	25.3	34.3	41.4	41.8	42.3	42.3	42.4	42.7	42.9	42.9	42.9	42.9	43.1	43.1	43.3	43.3
GE 14000	25.3	34.3	41.4	41.8	42.3	42.3	42.4	42.7	42.9	42.9	42.9	42.9	43.1	43.1	43.3	43.3
GE 12000	25.4	34.5	41.6	42.0	42.4	42.4	42.6	42.9	43.0	43.0	43.0	43.0	43.3	43.3	43.4	43.4
GE 10000	27.8	37.1	44.2	44.6	45.7	45.0	45.2	45.5	45.6	45.6	45.6	45.6	45.9	45.9	46.0	46.0
GE 9000	28.7	38.0	45.0	45.5	45.9	45.9	46.0	46.3	46.5	46.5	46.5	46.5	46.8	46.8	46.9	46.9
GE 8000	30.3	40.4	47.8	48.2	48.6	48.6	48.8	49.1	49.2	49.2	49.2	49.2	49.5	49.5	49.6	49.6
GE 7000	30.7	40.8	48.2	48.6	49.1	49.1	49.2	49.5	49.6	49.6	49.6	49.6	49.9	49.9	50.1	50.1
GE 6000	30.7	40.8	48.2	48.6	49.1	49.1	49.2	49.5	49.6	49.6	49.6	49.6	49.9	49.9	50.1	50.1
GE 5000	76.8	87.2	94.7	95.1	95.5	95.5	95.7	96.0	96.1	96.1	96.1	96.1	96.4	96.4	96.5	96.5
GE 4500	76.9	87.3	94.8	95.2	95.7	95.7	95.8	96.1	96.2	96.2	96.2	96.2	96.5	96.5	96.7	96.7
GE 4000	77.3	88.3	95.8	96.4	97.0	97.0	97.1	97.5	97.7	97.7	97.7	97.7	98.0	98.0	98.1	98.1
GE 3500	77.5	88.6	96.1	96.7	97.3	97.3	97.4	97.8	98.0	98.0	98.0	98.0	98.3	98.3	98.4	98.4
GE 3000	77.5	88.6	96.1	96.7	97.5	97.5	97.8	98.3	98.4	98.4	98.4	98.4	98.7	98.7	98.8	98.8
GE 2500	78.2	89.5	97.0	97.5	98.4	98.4	98.7	99.1	99.3	99.3	99.3	99.3	99.6	99.6	99.7	99.7
GE 2000	78.2	89.5	97.0	97.5	98.4	98.4	98.7	99.1	99.3	99.3	99.3	99.3	99.6	99.6	99.7	99.7
GE 1800	78.2	89.5	97.0	97.5	98.4	98.4	98.7	99.1	99.3	99.3	99.3	99.3	99.6	99.6	99.7	99.7
GE 1500	78.4	89.6	97.1	97.7	98.6	98.6	98.8	99.3	99.4	99.4	99.4	99.4	99.7	99.7	99.9	99.9
GE 1200	78.4	89.6	97.1	97.7	98.6	98.6	98.8	99.3	99.4	99.4	99.4	99.4	99.7	99.7	99.9	99.9
GE 1000	78.4	89.6	97.1	97.7	98.6	98.6	98.8	99.3	99.4	99.4	99.4	99.4	99.7	99.7	99.9	99.9
GE 900	78.4	89.6	97.1	97.7	98.6	98.6	98.8	99.3	99.4	99.4	99.4	99.4	99.7	99.7	99.9	99.9
GE 800	78.4	89.6	97.1	97.7	98.6	98.6	98.8	99.3	99.4	99.4	99.4	99.4	99.7	99.7	99.9	99.9
GE 700	78.4	89.6	97.1	97.7	98.6	98.6	98.8	99.3	99.4	99.4	99.4	99.4	99.7	99.7	99.9	99.9
GE 600	78.4	89.6	97.1	97.7	98.6	98.6	98.8	99.3	99.4	99.4	99.4	99.4	99.7	99.7	99.9	99.9
GE 500	78.4	89.6	97.1	97.7	98.6	98.6	98.8	99.3	99.4	99.4	99.4	99.4	99.7	99.7	99.9	99.9
GE 400	78.4	89.6	97.1	97.7	98.6	98.6	98.8	99.4	99.6	99.6	99.6	99.6	99.9	99.9	100.0	100.0
GE 300	78.4	89.6	97.1	97.7	98.6	98.6	98.8	99.4	99.6	99.6	99.6	99.6	99.9	99.9	100.0	100.0
GE 200	78.4	89.6	97.1	97.7	98.6	98.6	98.8	99.4	99.6	99.6	99.6	99.6	99.9	99.9	100.0	100.0
GE 100	78.4	89.6	97.1	97.7	98.6	98.6	98.8	99.4	99.6	99.6	99.6	99.6	99.9	99.9	100.0	100.0
GE 0	78.4	89.6	97.1	97.7	98.6	98.6	98.8	99.4	99.6	99.6	99.6	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 693

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 44380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: NOV HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	1	31.3	34.2	36.2	36.8	37.0	37.0	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	
GE 20000		34.6	38.3	41.0	41.9	42.2	42.2	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	
GE 18000		34.8	38.4	41.2	42.1	42.4	42.4	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	
GE 16000		34.8	38.4	41.2	42.1	42.4	42.4	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	
GE 14000		34.8	38.4	41.2	42.1	42.4	42.4	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	
GE 12000		35.4	39.0	41.8	42.6	42.9	42.9	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	
GE 10000		37.0	40.6	43.4	44.3	44.5	44.5	44.8	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	
GE 9000		37.4	41.0	43.8	44.7	45.0	45.0	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	
GE 8000		39.3	42.9	45.7	46.6	46.9	46.9	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	
GE 7000		39.4	43.1	45.9	46.7	47.0	47.0	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	
GE 6000		39.4	43.1	45.9	46.7	47.0	47.0	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	
GE 5000		89.1	92.9	95.6	96.5	96.8	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
GE 4000		89.1	92.9	95.6	96.5	96.8	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
GE 3000		89.5	93.6	96.5	97.4	97.8	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 2500		90.0	94.0	96.9	97.8	98.3	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
GE 2000		90.4	94.6	97.5	98.4	98.8	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 1800		90.5	94.8	97.8	98.7	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 1600		90.5	94.8	97.8	98.7	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 1400		90.5	94.8	97.8	98.7	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 1200		90.5	94.8	97.8	98.7	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 1000		90.5	94.8	97.8	98.7	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 900		90.5	94.8	97.8	98.7	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 800		90.5	94.8	97.8	98.7	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 700		90.5	94.8	97.8	98.7	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 600		90.5	94.8	97.8	98.7	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500		90.5	94.8	97.8	98.7	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400		90.5	94.8	97.8	98.7	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300		90.5	94.8	97.8	98.7	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200		90.5	94.8	97.8	98.7	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100		90.5	94.8	97.8	98.7	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0		90.5	94.8	97.8	98.7	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 667

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 494700 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: NOV HOURS(IST): 1800-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
1	160	200	240	280	320	360	400	440	480	520	560	600	640	680	720	760
NO CEIL	34.0	34.0	36.2	36.8	36.8	36.8	36.8	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.3
GE 20000	31.1	36.8	39.8	40.4	40.7	40.7	40.7	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.2
GE 18000	31.3	37.0	40.0	40.6	40.9	40.9	40.9	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.3
GE 16000	31.3	37.0	40.0	40.6	40.9	40.9	40.9	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.3
GE 14000	31.3	37.0	40.0	40.6	40.9	40.9	40.9	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.3
GE 12000	31.9	37.6	40.6	41.2	41.5	41.5	41.5	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.9
GE 10000	33.5	39.4	42.4	43.1	43.4	43.4	43.4	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.9
GE 9000	33.7	39.5	42.5	43.3	43.6	43.6	43.6	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	44.0
GE 8000	35.3	41.2	44.2	44.9	45.2	45.2	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.7
GE 7000	35.3	41.2	44.2	44.9	45.2	45.2	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.7
GE 6000	35.3	41.2	44.2	44.9	45.2	45.2	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.7
GE 5000	87.3	93.1	96.1	96.9	97.2	97.2	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6
GE 4500	97.3	93.1	96.1	96.9	97.2	97.2	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6
GE 4000	88.5	94.5	97.6	98.5	98.8	98.8	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 3500	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 3000	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 2500	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 2000	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 1800	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 1600	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 1400	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 1200	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 1000	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 900	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 800	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 700	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 600	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 500	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 400	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 300	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 200	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 100	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 0	88.8	94.8	97.9	98.8	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS: 668

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404300 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: NOV HOURS(157): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
FEET	100	200	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2200	2400
NO CEIL	1	29.6	35.3	47.0	37.2	37.2	37.3	37.8	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9	37.9
GE 20000	1	12.3	38.7	39.9	40.1	40.1	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.8	40.8	40.8	40.8
GE 18000	1	12.3	38.0	39.9	40.1	40.1	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.8	40.8	40.8	40.8
GE 16000	1	12.3	38.0	39.9	40.1	40.1	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.8	40.8	40.8	40.8
GE 14000	1	12.3	38.0	39.9	40.1	40.1	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.8	40.8	40.8	40.8
GE 12000	1	12.7	38.5	40.3	40.5	40.5	40.6	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2
GE 10000	1	33.0	38.9	40.8	41.2	41.2	41.4	41.8	41.8	41.8	41.8	41.9	42.2	42.2	42.2	42.2	42.2
GE 9000	1	33.3	39.2	41.1	41.5	41.5	41.6	42.1	42.1	42.1	42.1	42.2	42.5	42.5	42.5	42.5	42.5
GE 8000	1	34.6	40.6	42.5	42.9	42.9	43.1	43.5	43.5	43.5	43.5	43.7	43.9	43.9	43.9	43.9	43.9
GE 7000	1	34.6	40.6	42.5	42.9	42.9	43.1	43.5	43.5	43.5	43.5	43.7	43.9	43.9	43.9	43.9	43.9
GE 6000	1	34.6	40.6	42.5	42.9	42.9	43.1	43.5	43.5	43.5	43.5	43.7	43.9	43.9	43.9	43.9	43.9
GE 5000	1	39.2	45.2	47.1	47.6	47.6	47.7	48.1	48.1	48.1	48.1	48.3	48.3	48.6	48.6	48.6	48.6
GE 4500	1	39.3	45.4	47.3	47.7	47.7	47.9	48.3	48.3	48.3	48.3	48.4	48.7	48.7	48.7	48.7	48.7
GE 4000	1	39.7	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4
GE 3500	1	39.9	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4
GE 3000	1	39.9	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4
GE 2500	1	39.9	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4
GE 2000	1	39.9	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4
GE 1500	1	39.9	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4
GE 1200	1	39.9	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4
GE 1000	1	39.9	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4
GE 900	1	39.9	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4
GE 800	1	39.9	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4
GE 700	1	39.9	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4
GE 600	1	39.9	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4
GE 500	1	39.9	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4
GE 400	1	39.9	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4
GE 300	1	39.9	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4
GE 200	1	39.9	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4
GE 100	1	39.9	46.0	47.8	48.4	48.4	48.6	49.0	49.0	49.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4

TOTAL NUMBER OF OBSERVATIONS: 694

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 414380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: NOV HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS																
	1 160	3 300	5 600	6 600	7 600	8 480	9 400	10 320	11 240	12 200	13 160	14 120	15 100	16 80	17 60	18 40	19 0
NO CEIL	.0	27.3	33.9	39.3	40.6	41.1	41.2	41.6	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.9
GE 2000	.0	29.1	36.3	42.3	43.7	44.3	44.3	44.7	44.9	44.9	44.9	44.9	45.0	45.0	45.0	45.0	45.1
GE 1800	.0	29.1	36.3	42.3	43.8	44.3	44.4	44.8	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.1	45.1
GE 1600	.0	29.1	36.3	42.3	43.8	44.3	44.4	44.8	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.1	45.1
GE 1400	.0	29.1	36.3	42.3	43.8	44.3	44.4	44.8	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.1	45.1
GE 1200	.0	29.5	36.7	42.8	44.3	44.8	44.8	45.3	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.6
GE 1000	.0	31.0	38.5	44.6	46.1	46.7	46.7	47.1	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.5
GE 900	.0	31.7	39.3	45.5	47.0	47.6	47.7	48.1	48.2	48.3	48.3	48.3	48.3	48.4	48.4	48.4	48.5
GE 800	.0	33.2	41.2	47.6	49.1	49.8	49.8	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.6	50.6
GE 700	.0	33.3	41.3	47.7	49.3	49.9	49.9	50.4	50.5	50.6	50.6	50.6	50.6	50.7	50.7	50.7	50.8
GE 600	.0	33.3	41.3	47.7	49.3	49.9	49.9	50.4	50.5	50.6	50.6	50.6	50.6	50.7	50.7	50.7	50.8
GE 500	.0	39.6	47.6	54.0	55.6	56.2	56.2	56.7	56.8	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.1
GE 400	.0	39.6	47.6	54.1	55.6	56.3	56.3	56.7	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.1	57.1
GE 300	.0	40.4	48.7	55.3	57.0	57.6	57.7	58.1	58.3	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.6
GE 200	.0	40.5	48.8	55.4	57.1	57.8	57.9	58.3	58.5	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.8
GE 100	.0	40.7	49.0	55.8	57.5	58.2	58.3	58.8	59.0	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.3
GE 2000	.0	40.6	49.1	56.0	57.7	58.5	58.6	59.1	59.3	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.6
GE 1800	.0	40.8	49.2	56.1	57.8	58.6	58.7	59.3	59.5	59.5	59.6	59.6	59.6	59.7	59.7	59.7	59.8
GE 1600	.0	40.8	49.2	56.1	57.8	58.6	58.7	59.3	59.5	59.5	59.6	59.6	59.6	59.7	59.7	59.7	59.8
GE 1400	.0	40.8	49.3	56.1	57.9	58.7	58.8	59.3	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.8
GE 1200	.0	40.8	49.3	56.1	57.9	58.7	58.8	59.3	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.8
GE 1000	.0	40.8	49.3	56.1	57.9	58.7	58.8	59.3	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.9	59.9
GE 900	.0	40.9	49.3	56.1	57.9	58.7	58.8	59.3	59.6	59.7	59.7	59.7	59.8	59.8	59.9	59.9	59.9
GE 800	.0	40.9	49.3	56.1	57.9	58.7	58.8	59.3	59.6	59.7	59.7	59.7	59.8	59.8	59.9	59.9	59.9
GE 700	.0	40.9	49.3	56.1	57.9	58.7	58.8	59.3	59.6	59.7	59.7	59.7	59.8	59.8	59.9	59.9	59.9
GE 600	.0	40.9	49.3	56.1	57.9	58.7	58.8	59.3	59.6	59.7	59.7	59.7	59.8	59.8	59.9	59.9	59.9
GE 500	.0	40.9	49.3	56.1	57.9	58.7	58.8	59.3	59.6	59.7	59.7	59.7	59.8	59.8	59.9	59.9	59.9
GE 400	.0	40.9	49.3	56.1	57.9	58.7	58.8	59.3	59.6	59.7	59.7	59.7	59.8	59.8	59.9	59.9	59.9
GE 300	.0	40.9	49.3	56.1	57.9	58.7	58.8	59.3	59.6	59.7	59.7	59.7	59.8	59.8	59.9	59.9	59.9
GE 200	.0	40.9	49.3	56.1	57.9	58.7	58.8	59.3	59.6	59.7	59.7	59.7	59.8	59.8	59.9	59.9	59.9
GE 100	.0	40.9	49.3	56.1	57.9	58.7	58.8	59.3	59.6	59.7	59.7	59.7	59.8	59.8	59.9	59.9	59.9

TOTAL NUMBER OF OBSERVATIONS: 5193

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 434380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: DEC HOURS (LST): 0000-0200

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	24.7	28.3	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.4	32.4	32.4
GE 20000	25.1	29.0	32.9	33.4	33.4	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.7	33.7	33.7
GE 18000	25.3	29.2	33.1	33.5	33.5	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.8	33.8	33.8
GE 16000	25.3	29.2	33.1	33.5	33.5	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.8	33.8	33.8
GE 14000	25.3	29.2	33.1	33.5	33.5	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.8	33.8	33.8
GE 12000	25.4	29.5	33.4	33.8	33.8	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.1	34.1	34.1
GE 10000	25.8	30.2	34.3	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	35.0	35.0	35.0
GE 9000	26.1	30.6	34.7	35.1	35.1	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.4	35.4	35.4
GE 8000	28.7	34.8	39.2	39.6	39.6	39.6	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.9	39.9	39.9
GE 7000	29.0	35.1	39.5	39.9	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.3	40.3	40.3
GE 6000	29.2	35.3	39.8	40.2	40.3	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.6	40.6	40.6
GE 5000	83.3	89.4	93.9	94.3	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.8	94.8	94.8
GE 4500	83.5	89.6	94.0	94.5	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9
GE 4000	84.3	90.4	95.1	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.1	96.1	96.1
GE 3500	84.3	90.4	95.1	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.1	96.1	96.1
GE 3000	85.6	91.7	96.5	97.2	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8
GE 2500	85.8	91.9	96.7	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0
GE 2000	85.9	92.2	97.0	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3
GE 1800	85.9	92.2	97.0	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3
GE 1600	85.9	92.3	97.7	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0
GE 1400	85.9	92.3	97.7	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0
GE 1200	85.9	92.3	97.7	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0
GE 1000	85.9	92.3	97.7	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0
GE 900	85.9	92.3	97.7	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0
GE 800	85.9	92.3	97.7	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0
GE 700	85.9	92.3	97.7	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0
GE 600	85.9	92.3	97.7	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0
GE 500	85.9	92.3	97.7	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0
GE 400	85.9	92.3	97.7	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0
GE 300	85.9	92.3	97.7	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0
GE 200	85.9	92.3	97.7	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0
GE 100	85.9	92.3	97.7	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS: 689

GLOBAL METEOROLOGICAL BRANCH
USAF/PTAC
AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 17-84
MONTH: DEC HOURS (LST): 0300-0500

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL T		31.0	34.2	37.1	37.5	37.8	37.8	37.8	37.8	38.1	38.1	38.1	38.2	38.2	38.2	38.2
GE 20000		31.5	34.8	37.6	37.9	38.2	38.2	38.2	38.2	38.6	38.6	38.6	38.7	38.7	38.7	38.7
GE 18000		31.7	35.0	37.8	38.1	38.4	38.4	38.4	38.4	38.7	38.7	38.7	38.9	38.9	38.9	38.9
GE 16000		31.7	35.0	37.8	38.1	38.4	38.4	38.4	38.4	38.7	38.7	38.7	38.9	38.9	38.9	38.9
GE 14000		31.7	35.0	37.8	38.1	38.4	38.4	38.4	38.4	38.7	38.7	38.7	38.9	38.9	38.9	38.9
GE 12000		32.3	35.6	38.4	38.7	39.0	39.0	39.0	39.0	39.3	39.3	39.3	39.5	39.5	39.5	39.5
GE 10000		32.9	36.2	39.2	39.7	40.0	40.0	40.0	40.0	40.3	40.3	40.3	40.4	40.4	40.4	40.4
GE 9000		33.9	37.5	40.4	40.9	41.2	41.2	41.2	41.2	41.5	41.5	41.5	41.7	41.7	41.7	41.7
GE 8000		35.7	39.8	43.3	43.7	44.0	44.0	44.0	44.0	44.4	44.4	44.4	44.5	44.5	44.5	44.5
GE 7000		35.7	39.8	43.3	43.7	44.0	44.0	44.0	44.0	44.4	44.4	44.4	44.5	44.5	44.5	44.5
GE 6000		35.9	40.3	43.7	44.2	44.5	44.5	44.5	44.5	44.8	44.8	44.8	45.0	45.0	45.0	45.0
GE 5000		35.4	39.8	43.3	43.7	44.0	44.0	44.0	44.0	44.4	44.4	44.4	44.5	44.5	44.5	44.5
GE 4500		35.6	40.0	43.4	43.9	44.2	44.2	44.2	44.2	44.5	44.5	44.5	44.7	44.7	44.7	44.7
GE 4000		37.0	41.7	45.3	45.8	46.1	46.1	46.1	46.1	46.4	46.4	46.4	46.6	46.6	46.6	46.6
GE 3500		37.0	41.7	45.3	45.8	46.2	46.2	46.2	46.2	46.6	46.6	46.6	46.7	46.7	46.7	46.7
GE 3000		37.9	42.8	46.4	46.9	47.5	47.5	47.6	47.6	48.0	48.0	48.0	48.1	48.1	48.1	48.1
GE 2500		37.9	42.8	46.4	46.9	47.5	47.5	47.6	47.6	48.0	48.0	48.0	48.1	48.1	48.1	48.1
GE 2000		38.4	43.3	46.9	47.3	48.0	48.0	48.1	48.1	48.4	48.4	48.4	48.6	48.6	48.6	48.6
GE 1800		38.4	43.3	46.9	47.3	48.0	48.0	48.1	48.1	48.4	48.4	48.4	48.6	48.6	48.6	48.6
GE 1500		38.4	43.3	47.0	47.5	48.3	48.3	48.4	48.4	48.6	48.6	48.6	48.9	48.9	48.9	48.9
GE 1200		38.4	43.3	47.0	47.5	48.3	48.3	48.4	48.4	48.6	48.6	48.6	48.9	48.9	48.9	48.9
GE 1000		38.4	43.3	47.2	47.6	48.4	48.4	48.6	48.6	48.7	48.7	48.7	48.9	48.9	48.9	48.9
GE 900		38.4	43.3	47.2	47.6	48.4	48.4	48.6	48.6	48.7	48.7	48.7	48.9	48.9	48.9	48.9
GE 800		38.4	43.3	47.2	47.6	48.4	48.4	48.6	48.6	48.7	48.7	48.7	48.9	48.9	48.9	48.9
GE 700		38.4	43.3	47.2	47.6	48.4	48.4	48.6	48.6	48.7	48.7	48.7	48.9	48.9	48.9	48.9
GE 600		38.4	43.3	47.2	47.6	48.4	48.4	48.6	48.6	48.7	48.7	48.7	48.9	48.9	48.9	48.9
GE 500		38.4	43.3	47.2	47.6	48.4	48.4	48.6	48.6	48.7	48.7	48.7	48.9	48.9	48.9	48.9
GE 400		38.4	43.3	47.2	47.6	48.4	48.4	48.6	48.6	48.7	48.7	48.7	48.9	48.9	48.9	48.9
GE 300		38.4	43.3	47.2	47.6	48.4	48.4	48.6	48.6	48.7	48.7	48.7	48.9	48.9	48.9	48.9
GE 200		38.4	43.3	47.2	47.6	48.4	48.4	48.6	48.6	48.7	48.7	48.7	48.9	48.9	48.9	48.9
GE 100		38.4	43.3	47.2	47.6	48.4	48.4	48.6	48.6	48.7	48.7	48.7	48.9	48.9	48.9	48.9

TOTAL NUMBER OF OBSERVATIONS: 638

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/ZAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 444540 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: DEC HOURS(LST): 0600-0800

CEILING FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	27.2	37.7	44.5	46.2	46.5	46.5	46.7	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.3	47.4
GE 20000	38.9	41.6	49.7	51.7	52.0	52.0	52.3	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.2	53.3
GE 18000	29.0	41.8	49.8	51.8	52.1	52.1	52.4	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.5
GE 16000	29.0	41.8	49.8	51.8	52.1	52.1	52.4	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.5
GE 14000	29.0	41.8	49.8	51.8	52.1	52.1	52.4	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.5
GE 12000	29.2	41.9	50.0	52.0	52.4	52.4	52.7	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.8
GE 10000	31.6	44.8	54.4	56.4	57.0	57.0	57.6	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.8
GE 9000	32.1	45.9	55.8	57.8	58.4	58.4	59.0	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.9	60.2
GE 8000	34.0	49.5	60.5	62.8	63.8	63.8	64.7	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.7	66.0
GE 7000	34.3	50.0	60.9	63.2	64.3	64.3	65.2	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.4
GE 6000	34.3	50.0	60.9	63.2	64.3	64.3	65.2	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.4
GE 5000	61.2	76.9	87.8	90.1	91.2	91.2	92.1	92.6	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.3
GE 4500	61.4	77.1	88.0	90.3	91.3	91.3	92.2	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.2	93.5
GE 4000	53.2	79.2	90.1	92.4	93.5	93.5	94.4	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.3	95.6
GE 3500	43.2	79.2	90.3	92.6	93.6	93.6	94.5	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.7
GE 3000	44.3	80.5	92.2	94.5	95.7	95.7	96.8	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.7	98.0
GE 2500	64.6	81.0	92.9	95.1	96.4	96.4	97.4	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.6
GE 2000	64.6	81.0	92.9	95.3	96.5	96.5	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.8
GE 1800	64.6	81.0	92.9	95.3	96.5	96.5	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.8
GE 1600	64.6	81.0	92.9	95.3	96.5	96.5	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.8
GE 1400	64.6	81.0	92.9	95.3	96.5	96.5	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.8
GE 1200	64.6	81.0	92.9	95.3	96.5	96.5	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.8
GE 1000	64.6	81.0	93.0	95.4	96.7	96.7	97.9	98.6	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.4
GE 900	64.6	81.0	93.0	95.4	96.7	96.7	97.9	98.6	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.4
GE 800	64.6	81.0	93.0	95.4	96.8	96.8	98.0	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.5
GE 700	64.6	81.0	93.0	95.4	96.8	96.8	98.0	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.5
GE 600	64.6	81.0	93.0	95.4	96.8	96.8	98.0	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.7
GE 500	64.6	81.0	93.0	95.4	96.8	96.8	98.0	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.7
GE 400	64.6	81.0	93.0	95.4	96.8	96.8	98.0	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.7
GE 300	64.6	81.0	93.2	95.6	97.0	97.0	98.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.7	100.0
GE 200	64.6	81.0	93.2	95.6	97.0	97.0	98.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.7	100.0
GE 100	64.6	81.0	93.2	95.6	97.0	97.0	98.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.7	100.0
GE 0	64.6	81.0	93.2	95.6	97.0	97.0	98.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 658

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/RAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: DEC HOURS(IST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT	GE	GL	GF	GE	GE	GE	GF	GE	GE	GL	GE	GE	GE	GE	GE	GE
	1	100	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	1	13.9	30.4	45.5	47.0	48.4	48.4	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 20000	1	14.9	34.4	49.9	53.8	55.5	55.5	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 18000	1	14.9	34.7	50.1	54.1	55.8	55.8	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 16000	1	14.9	34.7	50.1	54.1	55.8	55.8	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 14000	1	14.9	34.7	50.1	54.1	55.8	55.8	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 12000	1	15.2	34.9	50.4	54.4	56.1	56.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 10000	1	17.2	37.6	53.3	57.5	59.2	59.2	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 9000	1	17.5	38.2	54.1	58.4	60.2	60.2	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 8000	1	20.2	42.9	60.7	65.3	67.5	67.5	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 7000	1	20.5	43.2	60.9	65.6	67.8	67.8	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 6000	1	20.5	43.2	60.9	65.6	67.8	67.8	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 5000	1	43.9	66.6	84.5	89.2	91.3	91.3	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 4500	1	43.9	66.6	84.5	89.2	91.3	91.3	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 4000	1	44.5	67.9	86.1	91.1	93.2	93.2	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 3500	1	44.6	68.2	86.5	91.5	93.6	93.6	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 3000	1	44.7	68.2	87.6	92.9	95.3	95.3	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2500	1	45.2	69.9	88.4	93.6	96.0	96.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2000	1	45.2	69.9	88.5	93.8	96.2	96.2	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	1	45.2	69.9	88.5	93.8	96.2	96.2	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1600	1	45.2	69.9	88.9	94.2	96.6	96.6	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1400	1	45.2	69.9	88.9	94.2	96.6	96.6	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	1	45.3	70.0	89.2	94.5	96.9	96.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	1	45.3	70.0	89.2	94.5	96.9	96.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	1	45.5	70.2	89.3	94.6	97.0	97.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	1	45.5	70.2	89.3	94.6	97.0	97.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	1	45.5	70.2	89.3	94.6	97.0	97.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	1	45.5	70.2	89.3	94.6	97.0	97.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	1	45.5	70.2	89.3	94.6	97.0	97.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	1	45.5	70.2	89.3	94.6	97.0	97.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	1	45.5	70.2	89.3	94.6	97.0	97.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	1	45.5	70.2	89.3	94.6	97.0	97.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	1	45.5	70.2	89.3	94.6	97.0	97.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	1	45.5	70.2	89.3	94.6	97.0	97.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 704

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 604300 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84

MONTH: DEC HOURS: 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	
NO CEIL		71.1	30.2	35.5	37.2	37.6	37.8	38.3	38.3	38.3	38.3	38.3	38.5	38.5	38.5	38.5	
GE 20000		23.6	35.9	42.0	43.8	44.9	45.3	46.2	46.2	46.2	46.2	46.2	46.3	46.3	46.3	46.3	
GE 18000		23.6	35.9	42.0	43.8	44.9	45.3	46.2	46.2	46.2	46.2	46.2	46.3	46.3	46.3	46.3	
GE 16000		23.6	36.1	42.1	43.9	45.0	45.5	46.3	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	
GE 14000		23.6	36.1	42.1	43.9	45.0	45.5	46.3	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	
GE 12000		24.1	36.5	42.5	44.3	45.6	46.0	46.9	46.9	46.9	46.9	46.9	47.0	47.0	47.0	47.0	
GE 10000		26.4	39.3	45.6	47.4	48.7	49.1	50.2	50.5	50.5	50.5	50.5	50.6	50.6	50.6	50.6	
GE 9000		26.6	39.4	45.7	47.6	49.0	49.4	50.6	51.0	51.2	51.2	51.2	51.3	51.5	51.5	51.5	
GE 8000		30.1	44.6	51.6	53.4	54.8	55.2	56.5	56.9	57.1	57.1	57.1	57.2	57.3	57.3	57.3	
GE 7000		30.1	44.6	51.6	53.4	54.8	55.2	56.5	56.9	57.1	57.1	57.1	57.2	57.3	57.3	57.3	
GE 6000		30.1	44.6	51.6	53.4	54.8	55.2	56.5	56.9	57.1	57.1	57.1	57.2	57.3	57.3	57.3	
GE 5000		67.3	81.8	88.8	90.6	92.0	92.4	93.7	94.1	94.3	94.3	94.3	94.4	94.5	94.5	94.5	
GE 4500		67.4	82.0	89.0	90.8	92.4	92.9	94.1	94.5	94.7	94.7	94.7	94.8	95.0	95.0	95.0	
GE 4000		67.8	82.8	89.8	91.6	93.3	93.7	95.0	95.4	95.5	95.5	95.5	95.7	95.8	95.8	95.8	
GE 3500		68.3	83.4	90.8	92.6	94.3	94.7	95.9	96.5	96.6	96.6	96.6	96.8	96.9	96.9	96.9	
GE 3000		68.4	83.9	91.6	93.4	95.2	95.7	96.9	97.5	97.8	97.8	97.8	97.9	98.0	98.0	98.0	
GE 2500		68.8	84.8	92.4	94.3	96.1	96.5	97.8	98.3	98.6	98.6	98.6	98.7	98.9	98.9	98.9	
GE 2000		69.5	85.5	93.1	95.0	96.8	97.2	98.5	99.0	99.3	99.3	99.3	99.4	99.6	99.6	99.6	
GE 1800		69.5	85.5	93.1	95.0	96.8	97.2	98.5	99.0	99.3	99.3	99.3	99.4	99.6	99.6	99.6	
GE 1600		69.5	85.5	93.1	95.1	97.1	97.5	98.7	99.3	99.6	99.6	99.6	99.7	99.9	99.9	99.9	
GE 1400		69.5	85.5	93.1	95.1	97.2	97.6	98.9	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	
GE 1200		69.5	85.5	93.1	95.1	97.2	97.6	98.9	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	
GE 1000		69.5	85.5	93.1	95.1	97.2	97.6	98.9	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	
GE 900		69.5	85.5	93.1	95.1	97.2	97.6	98.9	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	
GE 800		69.5	85.5	93.1	95.1	97.2	97.6	98.9	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	
GE 700		69.5	85.5	93.1	95.1	97.2	97.6	98.9	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	
GE 600		69.5	85.5	93.1	95.1	97.2	97.6	98.9	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	
GE 500		69.5	85.5	93.1	95.1	97.2	97.6	98.9	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	
GE 400		69.5	85.5	93.1	95.1	97.2	97.6	98.9	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	
GE 300		69.5	85.5	93.1	95.1	97.2	97.6	98.9	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	
GE 200		69.5	85.5	93.1	95.1	97.2	97.6	98.9	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	
GE 100		69.5	85.5	93.1	95.1	97.2	97.6	98.9	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	
GE 0		69.5	85.5	93.1	95.1	97.2	97.6	98.9	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 715

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAF

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: DEC HOURS(1ST): 1500-1700

CEILING FEET	VISIBILITY IN HUNDREDS OF METERS															
	100	90	80	60	40	30	20	16	12	10	8	5	4	0		
NO CEIL	25.0	31.2	35.3	36.0	36.4	36.4	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 20000	30.0	36.8	42.1	42.9	43.7	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 18000	30.1	37.0	42.2	43.0	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 16000	30.1	37.0	42.2	43.0	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 14000	30.1	37.0	42.2	43.0	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 12000	30.4	37.3	42.5	43.5	44.3	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 10000	31.5	39.1	44.4	45.4	46.3	46.3	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 9000	32.8	40.8	46.7	47.7	48.5	48.5	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 8000	34.9	43.6	50.5	51.5	52.7	52.7	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 7000	34.9	43.6	50.5	51.5	52.7	52.7	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 6000	34.9	43.6	50.5	51.5	52.7	52.7	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 5000	75.2	84.0	90.9	91.8	93.1	93.1	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 4500	75.5	84.2	91.1	92.1	93.5	93.5	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 4000	76.1	85.1	92.3	93.4	94.9	94.9	95.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 3500	76.4	85.4	92.5	93.7	95.2	95.2	95.8	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 3000	77.1	86.8	94.4	95.5	97.2	97.2	97.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2500	77.1	86.8	94.4	95.5	97.3	97.3	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	77.5	87.2	94.8	95.9	97.7	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	77.5	87.2	94.8	95.9	97.7	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1600	77.5	87.2	94.8	95.9	97.7	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1400	77.5	87.2	94.8	95.9	97.7	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	77.5	87.2	94.8	95.9	97.7	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	77.5	87.2	94.8	95.9	97.7	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	77.5	87.2	94.8	95.9	97.7	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	77.5	87.2	94.8	95.9	97.7	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	77.5	87.2	94.8	95.9	97.7	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	77.5	87.2	94.8	95.9	97.7	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	77.5	87.2	94.8	95.9	97.7	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	77.5	87.2	94.8	95.9	97.7	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	77.5	87.2	94.8	95.9	97.7	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	77.5	87.2	94.8	95.9	97.7	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 100	77.5	87.2	94.8	95.9	97.7	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 0	77.5	87.2	94.8	95.9	97.7	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS: 712

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404350 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84

MONTH: DEC HOURS(IST): 1800-2000

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	5 90	10 80	15 60	20 48	25 40	30 32	35 24	40 20	45 16	50 12	55 10	60 8	65 5	70 4	75 0
NO CEIL	72.4	30.5	35.5	36.3	36.9	36.9	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 20000	28.2	36.0	41.2	42.5	43.8	43.8	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 18000	28.4	36.2	41.4	42.7	43.9	43.9	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 16000	28.4	36.2	41.4	42.7	43.9	43.9	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 14000	28.4	36.2	41.4	42.7	43.9	43.9	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 12000	28.5	36.3	41.7	42.9	44.2	44.2	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 10000	29.7	37.6	43.4	44.6	45.9	45.9	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 9000	30.5	38.6	44.4	46.2	47.5	47.5	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 8000	32.3	41.4	48.9	50.4	52.0	52.0	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 7000	32.3	41.4	48.9	50.4	52.3	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 6000	32.3	41.4	48.9	50.4	52.3	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 5000	75.8	85.0	92.5	94.1	95.9	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 4500	76.0	85.2	92.7	94.2	96.0	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 4000	76.4	86.0	93.5	95.1	96.9	96.9	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 3500	76.6	86.3	93.9	95.5	97.3	97.3	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 3000	76.8	86.6	94.9	96.5	98.3	98.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2500	76.8	86.6	94.9	96.6	98.4	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2000	77.1	86.9	95.2	96.9	98.7	98.7	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	77.1	86.9	95.2	96.9	98.7	98.7	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1600	77.1	86.9	95.3	97.0	98.9	98.9	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1400	77.1	86.9	95.5	97.3	99.2	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	77.1	86.9	95.5	97.3	99.2	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	77.1	86.9	95.5	97.3	99.2	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	77.1	86.9	95.5	97.3	99.2	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	77.1	86.9	95.5	97.3	99.3	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	77.1	86.9	95.5	97.5	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	77.1	86.9	95.5	97.5	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	77.1	86.9	95.5	97.5	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	77.1	86.9	95.5	97.5	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	77.1	86.9	95.5	97.5	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	77.1	86.9	95.5	97.5	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	77.1	86.9	95.5	97.5	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 704

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 404320 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: DEC HOURS(LEST): 2100-2300

CEILING IN FEET	1 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	25.8	31.4	35.2	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
GE 20000	28.2	34.1	38.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 18000	28.2	34.1	38.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 16000	28.2	34.1	38.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 14000	28.2	34.1	38.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 12000	28.2	34.1	38.7	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
GE 10000	29.6	35.8	41.0	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 9000	30.1	36.3	41.7	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 8000	32.0	38.9	45.2	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 7000	32.4	39.3	45.6	47.0	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 6000	32.4	39.3	45.6	47.0	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 5000	40.1	47.0	53.4	54.8	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 4500	40.1	47.0	53.4	54.8	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 4000	40.6	47.7	54.4	55.8	56.3	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 3500	40.6	47.9	54.5	55.9	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 3000	41.3	49.0	56.2	57.6	58.3	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 2500	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 2000	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 1800	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 1600	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 1400	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 1200	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 1000	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 900	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 800	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 700	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 600	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 500	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 400	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 300	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 200	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 100	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 0	41.3	49.2	56.3	57.7	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7

TOTAL NUMBER OF OBSERVATIONS: 710

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 474360 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84

MONTH: DEC HOURS(LST): ALL

CEILING

VISIBILITY IN HUNDREDS OF METERS

FEET	1	3	5	6	7	8	9	10	12	14	16	18	20	24	28	32	36	40	48	56	64	72	80	90	100
FEET	1	3	5	6	7	8	9	10	12	14	16	18	20	24	28	32	36	40	48	56	64	72	80	90	100
NO CEIL				27.9	31.7	37.3	38.5	38.9	38.9	39.2	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.4	39.4					
GE 20000	.0	26.2	35.3	41.7	43.2	43.9	44.0	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.7	44.7					
GE 18000	.0	26.3	35.4	41.9	43.3	44.1	44.1	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.8	44.8					
GE 16000	.0	26.3	35.5	41.9	43.4	44.1	44.1	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.8	44.8	44.8					
GE 14000	.0	26.3	35.5	41.9	43.4	44.1	44.1	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.8	44.8	44.8					
GE 12000	.0	26.6	35.7	42.2	43.7	44.5	44.5	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.2	45.2	45.2	45.2					
GE 10000	.0	28.0	37.6	44.4	46.0	46.8	46.8	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.7	47.7	47.7	47.7					
GE 9000	.0	28.6	38.4	45.5	47.1	47.9	47.9	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9					
GE 8000	.0	30.9	41.9	50.0	51.7	52.7	52.8	53.5	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8					
GE 7000	.0	31.1	42.1	50.2	51.9	53.0	53.0	53.8	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1					
GE 6000	.0	31.1	42.2	50.3	52.0	53.1	53.1	53.8	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2					
GE 5000	.0	31.4	42.5	50.6	52.3	53.4	53.5	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5					
GE 4500	.0	31.6	42.6	50.7	52.5	53.6	53.7	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7					
GE 4000	.0	32.4	43.8	52.0	53.8	55.0	55.0	55.8	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2					
GE 3500	.0	32.5	44.0	52.3	54.1	55.3	55.4	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5					
GE 3000	.0	33.1	45.0	53.7	55.6	56.9	56.9	57.7	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2					
GE 2500	.0	33.3	45.3	54.0	55.9	57.2	57.3	58.1	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5					
GE 2000	.0	33.6	45.6	54.3	56.2	57.5	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8					
GE 1800	.0	33.6	45.6	54.3	56.2	57.5	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8					
GE 1600	.0	33.6	45.6	54.3	56.2	57.5	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8					
GE 1400	.0	33.6	45.6	54.3	56.2	57.5	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8					
GE 1200	.0	33.6	45.6	54.3	56.2	57.5	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8					
GE 1000	.0	33.6	45.6	54.3	56.2	57.5	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8					
GE 900	.0	33.6	45.6	54.3	56.2	57.5	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8					
GE 800	.0	33.6	45.6	54.3	56.2	57.5	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8					
GE 700	.0	33.6	45.6	54.3	56.2	57.5	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8					
GE 600	.0	33.6	45.6	54.3	56.2	57.5	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8					
GE 500	.0	33.6	45.6	54.3	56.2	57.5	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8					
GE 400	.0	33.6	45.6	54.3	56.2	57.5	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8					
GE 300	.0	33.6	45.6	54.3	56.2	57.5	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8					
GE 200	.0	33.6	45.6	54.3	56.2	57.5	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8					
GE 100	.0	33.6	45.6	54.3	56.2	57.5	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8					
GE 0	.0	33.6	45.6	54.3	56.2	57.5	57.6	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8					

TOTAL NUMBER OF OBSERVATIONS: 5533

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

~~AIR WEATHER SERVICE/HAL~~

STATION NUMBER: 404380 STATION NAME: RIYADH SAUDI ARABIA

PERIOD OF RECORD: 77-84
MONTH: ALL HOURS(LST): ALL

MONTH: ALL HOURS(LST): ALL

.....
CEILING

.....
VISIBILITY IN HUNDREDS OF METERS

EFFECTIVE		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1	GE 100	GE 90	GE 80	GE 60	GE 49	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
.....																	
NO CELL	1	.0	24.6	34.2	42.0	44.0	45.3	45.4	46.4	46.9	47.1	47.1	47.3	47.3	47.4	47.4	47.5
GE 20000	.0	25.9	36.5	45.0	47.2	48.7	48.8	49.9	50.4	50.6	50.7	50.8	50.9	51.0	51.0	51.0	51.0
GE 18000	.0	26.0	36.6	45.1	47.3	48.8	48.9	50.0	50.5	50.7	50.8	50.9	51.0	51.1	51.1	51.1	51.1
GE 16000	.0	26.0	36.6	45.1	47.3	48.8	48.9	50.0	50.5	50.7	50.8	50.9	51.0	51.1	51.1	51.1	51.1
GE 14000	.0	26.0	36.6	45.2	47.4	48.8	48.9	50.0	50.5	50.8	50.8	51.0	51.1	51.1	51.1	51.1	51.2
GE 12000	.0	26.3	37.0	45.6	47.8	49.2	49.6	50.5	51.0	51.2	51.2	51.4	51.5	51.6	51.6	51.6	51.6
GE 10000	.0	27.5	38.7	47.7	50.0	51.5	51.7	52.8	53.4	53.6	53.7	53.8	53.9	54.0	54.0	54.1	54.1
GE 9000	.0	28.1	39.6	48.7	51.1	52.7	52.8	54.0	54.6	54.8	54.8	55.0	55.1	55.2	55.2	55.3	55.3
GE 8000	.0	29.3	41.4	51.0	53.5	55.1	55.3	56.5	57.1	57.4	57.4	57.6	57.7	57.8	57.8	57.8	57.9
GE 7000	.0	29.5	41.5	51.2	53.7	55.3	55.5	56.7	57.3	57.6	57.6	57.8	57.9	58.0	58.0	58.1	58.1
GE 6000	.0	29.5	41.6	51.2	53.7	55.4	55.5	56.8	57.4	57.6	57.7	57.9	58.0	58.1	58.1	58.1	58.1
GE 5000	.0	68.8	80.8	90.5	93.0	94.7	94.8	96.1	96.7	96.9	97.0	97.2	97.3	97.4	97.4	97.4	97.4
GE 4500	.0	64.8	80.9	90.6	93.1	94.8	94.9	96.2	96.8	97.1	97.1	97.3	97.4	97.5	97.5	97.5	97.6
GE 4000	.0	69.5	81.8	91.7	94.3	96.0	96.1	97.4	98.0	98.3	98.3	98.6	98.6	98.7	98.8	98.8	98.8
GE 3500	.0	69.5	81.9	91.8	94.4	96.1	96.3	97.6	98.2	98.5	98.5	98.7	98.8	98.9	98.9	99.0	99.0
GE 3000	.0	69.7	82.2	92.2	94.9	96.6	96.8	98.1	98.7	99.0	99.0	99.2	99.3	99.4	99.4	99.5	99.5
GE 2500	.0	69.9	82.3	92.3	95.0	96.7	96.9	98.2	98.8	99.1	99.1	99.4	99.4	99.5	99.6	99.6	99.6
GE 2000	.0	69.8	82.3	92.4	95.1	96.8	97.0	98.3	98.9	99.2	99.2	99.5	99.5	99.6	99.6	99.7	99.7
GE 1800	.0	69.8	82.3	92.4	95.1	96.8	97.0	98.3	98.9	99.2	99.3	99.5	99.6	99.7	99.7	99.7	99.7
GE 1500	.0	69.8	82.3	92.5	95.1	96.9	97.0	98.5	99.0	99.2	99.3	99.5	99.6	99.7	99.7	99.8	99.8
GE 1200	.0	69.8	82.3	92.5	95.1	96.9	97.0	98.4	99.0	99.3	99.3	99.5	99.6	99.7	99.7	99.8	99.8
GE 1000	.0	69.8	82.3	92.5	95.2	96.9	97.1	98.4	99.1	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9
GE 900	.0	69.8	82.4	92.5	95.2	96.9	97.1	98.4	99.1	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9
GE 800	.0	69.8	82.4	92.5	95.2	96.9	97.1	98.4	99.1	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9
GE 700	.0	69.8	82.4	92.5	95.2	96.9	97.1	98.4	99.1	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9
GE 600	.0	69.8	82.4	92.5	95.2	97.0	97.1	98.5	99.1	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0
GE 500	.0	69.8	82.4	92.5	95.2	97.0	97.1	98.5	99.1	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0
GE 400	.0	69.8	82.4	92.5	95.2	97.0	97.1	98.5	99.1	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0
GE 300	.0	69.8	82.4	92.5	95.2	97.0	97.1	98.5	99.1	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0
GE 200	.0	69.8	82.4	92.5	95.2	97.0	97.1	98.5	99.1	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0
GE 100	.0	69.8	82.4	92.5	95.2	97.0	97.1	98.5	99.1	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 63530

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover and total number of observations. It is presented by month and available 3-hour groups.

NOTES: 1. Some sources of punched data used for this summary report cloud amounts in eights. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in eights. The manner of conversion is given below:

<u>EIGHTS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

2. For Airways stations the symbols of clear, scattered, broken, overcast, and obscured were used as input for the total sky cover.

Clear was converted to 0/10
Scattered was converted to 3/10
Broken was converted to 9/10
Overcast was converted to 10/10
Obscured was converted to 10/10

SKY COVER

77-84

JAN

MONTH	HOURS G.S.T.	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	63.3	1.2		7.7	4.1	4.1	4.7		3.6	9.5	1.8	2.2	169
	03-05	61.4	2.2		4.4	9.8	4.0	4.9		4.4	5.3	4.0	2.2	226
	06-08	59.3	5.6		6.7	7.3	3.9	2.8		7.3	5.6	1.1	2.1	179
	09-11	42.5	6.7		5.7	4.8	7.5	7.9		7.9	12.3	3.1	3.7	228
	12-14	45.0	9.6		6.4	4.1	9.7	7.8		5.0	9.6	3.7	3.0	218
	15-17	41.5	10.3		12.4	8.1	4.7	5.6		8.1	6.8	2.6	2.9	234
	18-20	41.4	8.4		7.4	8.4	11.3	3.9		7.9	7.9	3.4	3.1	203
	21-23	50.9	5.2		7.8	9.6	7.3	5.6		7.8	4.7	2.2	2.6	232
TOTALS		50.3	6.4		7.3	6.8	6.4	5.4		6.5	7.7	2.7	2.7	1689

SKY COVER

17-84

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USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

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MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF TOTAL SKY COVER	TOTAL NUMBER OF OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
44	70-02	47.2	1.6		7.3	5.2	7.8	5.7		7.8	8.8	6.7	3.3	193
	73-05	51.5	3.8		5.1	6.0	6.0	6.8		6.9	9.1	6.0	3.0	235
	76-08	39.9	7.6		9.1	6.1	3.5	5.6		8.1	15.7	4.5	3.6	198
	79-11	39.9	3.1		7.0	9.6	5.3	7.0		8.3	12.7	7.0	3.8	228
	12-14	42.6	7.4		4.6	7.9	6.0	6.5		8.8	12.0	4.2	3.4	216
	15-17	35.7	5.5		7.6	6.7	8.4	8.8		9.2	12.6	5.5	3.9	238
	18-20	27.7	6.8		7.3	5.3	9.7	8.7		12.6	16.5	6.3	4.6	206
	21-23	45.4	2.5		5.9	9.2	9.2	9.2		5.4	9.2	4.2	3.3	240
TOTALS		41.5	4.2		6.7	7.0	6.9	7.3		8.4	12.0	5.6	3.6	1754

SKY COVER

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1974

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	47.1	4.7		11.6	4.7	11.0	3.5		7.0	7.3	3.5	2.9	172
	03-05	51.7	2.2		3.6	7.8	4.3	4.7		5.2	9.5	6.0	3.2	232
	06-08	32.7	9.2		9.2	7.1	7.7	6.1		9.2	11.7	7.1	3.0	196
	09-11	40.1	6.8		9.7	5.9	6.3	5.1		6.8	12.7	6.6	3.6	237
	12-14	35.4	8.1		7.7	12.9	2.9	7.2		8.6	9.6	7.7	3.7	209
	15-17	28.4	5.9		8.9	9.3	10.6	8.5		7.6	12.7	8.1	4.3	236
	18-20	27.9	3.4		7.4	9.3	7.4	8.8		11.8	15.7	8.3	4.7	204
	21-23	41.1	4.8		10.8	8.2	7.8	6.5		6.5	9.5	4.8	3.3	231
TOTALS		38.1	5.6		9.2	8.2	7.3	6.3		7.8	11.1	6.5	3.7	171

SKY COVER

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STATION

RIYADH SAUDI ARABIA
STATION NAME

77-84

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02	56.4	1.1		9.9	8.3	4.4	2.8		5.0	11.0	1.1	2.5	181
	03-05	60.1	3.8		8.8	5.5	2.9	4.2		3.8	9.8	2.1	2.2	238
	06-08	38.8	7.8		7.3	9.6	4.6	5.5		10.5	12.3	3.7	3.6	219
	09-11	51.7	3.8		7.1	9.2	5.0	3.4		5.0	9.2	5.5	2.9	238
	12-14	52.7	5.4		6.8	6.3	5.0	4.5		5.0	10.4	4.5	2.8	221
	15-17	37.6	8.1		9.4	7.3	6.4	7.3		7.3	12.0	4.7	3.5	234
	18-20	30.0	6.3		7.7	7.7	6.7	4.3		8.7	16.3	4.3	3.8	208
	21-23	40.5	3.8		6.3	7.9	5.0	6.7		7.1	10.9	3.8	3.1	239
TOTALS		47.9	5.0		7.9	7.7	5.0	9.8		6.6	11.4	3.7	3.1	1778

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SKY COVER

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	79.2	2.2		4.9	4.9	2.4	2.9		1.0	1.5	1.5	1.2	209
	03-05	83.4	1.2		3.7	3.7	2.9	1.2		.8	2.5	.4	.6	241
	06-08	59.1	7.0		8.8	10.2	3.3	5.1		2.8	2.2	.9	1.2	218
	09-11	71.7	3.3		12.1	5.4	4.2	.8		2.1	.4		1.1	240
	12-14	77.7	5.8		5.9	4.9	2.4	1.9		.5	1.0		.8	206
	15-17	68.5	7.9		4.9	6.4	3.4	4.9		3.0	1.0		1.3	203
	18-20	66.8	7.8		5.2	5.7	5.7	4.1		3.6	.5	.5	1.4	193
	21-23	62.3	4.3		8.3	7.8	3.5	3.5		2.6	1.3		1.3	230
TOTALS		71.8	5.0		6.7	6.1	3.5	3.1		2.1	1.4	.4	1.2	1733

SKY COVER

77-84

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MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JULY	00-02	79.0	2.0		5.5	5.5	3.0	1.5		.5	1.5	1.5	1.0	200
	03-05	82.1	2.4		4.9	3.7	3.3	.8		.4	1.2	1.2	.9	245
	06-08	64.2	8.4		11.2	2.3	5.6	3.7		1.9	1.9	.5	1.4	219
	09-11	73.9	7.6		7.6	4.6	2.1	.8		1.7	1.3	.4	.9	237
	12-14	75.1	5.5		5.0	5.0	.5	.5		2.7	2.3	.5	.9	219
	15-17	72.1	4.1		6.9	6.3	3.2	3.6		1.4	1.8	.9	1.2	222
	18-20	66.2	7.4		6.0	5.1	3.2	6.5		3.2	2.3		1.5	216
	21-23	67.2	6.3		5.8	5.8	4.6	3.8		2.9	1.3	.4	1.3	240
TOTALS		73.1	5.5		6.6	4.8	3.2	2.7		1.8	1.7	.7	1.1	1791

SKY COVER

SEP
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	85.9	4.5		4.5	2.0	.5	.5		1.0	.5	.5	.5	198
	03-05	90.1	1.7		1.7	3.4	1.3	1.3				.4	.4	232
	06-08	84.0	2.9		5.3	1.9	1.9	.5		1.5	1.0	1.0	.7	206
	09-11	89.6	3.5		2.2	2.2	1.3	1.3					.3	231
	12-14	89.2	5.2		3.8		.5	.9				.5	.3	213
	15-17	82.5	5.3		6.6	1.8	1.8	2.2					.5	228
	18-20	74.9	6.4		6.8	4.1	3.2	2.3		1.8	.5		.9	219
	21-23	82.0	4.4		6.6	3.5	1.3	.9		.4	.4	.4	.6	228
TOTALS		84.8	4.2		4.7	2.4	1.5	1.2		.6	.3	.4	.5	1755

SKY COVER

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USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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77-84

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	63.9	3.6		7.7	7.7	4.1	5.6		1.5	4.1	2.0	1.0	196
	03-05	71.3	4.3		3.9	3.9	5.2	5.7		1.7	3.5	.4	1.4	230
	06-08	50.7	8.6		4.1	7.7	9.0	5.9		5.4	6.8	1.8	2.5	221
	09-11	49.4	6.9		6.9	5.6	6.5	6.1		5.6	9.1	3.9	2.8	231
	12-14	52.3	9.0		9.0	4.5	4.1	5.4		2.7	9.0	4.1	2.5	222
	15-17	51.7	11.2		6.5	4.3	4.3	6.5		6.0	8.6	.9	2.4	232
	18-20	50.2	12.9		5.5	6.0	5.1	7.8		6.5	5.1	.9	2.3	217
	21-23	56.2	8.5		6.5	9.4	5.1	5.5		3.0	3.4	.4	1.9	235
TOTALS		55.7	8.1		6.5	6.1	5.9	6.1		4.1	6.2	1.6	2.2	1764

SKY COVER

77-24

DEC
CONT

MONTH	HOURS EST.	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	50.8	2.9		5.9	11.8	3.9	1.5		3.9	8.3	2.9	2.3	204
	03-05	59.0	3.4		7.7	7.3	5.6	1.7		5.1	6.4	3.8	2.3	234
	06-08	49.5	3.3		9.0	9.5	5.2	6.2		5.7	8.6	2.9	2.8	210
	09-11	34.2	8.8		7.5	8.8	7.9	7.5		9.2	10.4	5.9	3.8	240
	12-14	35.5	9.0		9.8	5.6	7.3	9.8		7.3	12.0	3.8	3.6	234
	15-17	32.9	9.4		8.6	7.3	7.3	9.0		9.8	9.8	4.9	3.7	249
	18-20	31.0	8.4		11.9	11.5	7.1	7.5		7.1	10.6	4.9	3.7	226
	21-23	45.1	4.9		11.5	8.6	5.3	7.4		4.5	8.6	4.1	3.0	244
TOTALS		43.4	6.3		9.0	8.8	6.2	6.3		6.6	9.3	4.1	3.2	1813

JEPAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

4 4397 RIYADH SAUDI ARABIA 77-84 ALL
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	57.4	6.4		7.3	6.8	6.4	5.4		6.5	7.7	2.7	2.7	1689
FEB		53.0	5.0		8.2	6.9	4.8	5.1		5.5	8.2	3.2	2.6	1603
MAR		41.5	4.8		6.7	7.0	6.9	7.3		8.4	12.0	5.6	3.6	1754
APR		38.1	5.6		9.2	8.2	7.3	6.3		7.8	11.1	6.5	3.7	1717
MAY		47.9	5.0		7.9	7.7	5.0	4.8		6.6	11.4	3.7	3.1	1776
JUN		87.0	3.3		2.5	2.4	1.5	1.1		1.1	.9	.2	.5	1712
JUL		71.8	5.0		6.7	6.1	3.5	3.1		2.1	1.4	.4	1.2	1733
AUG		77.1	5.5		6.6	4.8	3.2	2.7		1.8	1.7	.7	1.1	1794
SEP		84.8	4.2		4.7	2.4	1.5	1.2		.6	.3	.4	.5	1759
OCT		74.2	4.1		5.4	3.3	2.5	2.6		1.9	3.8	2.2	1.4	1803
NOV		55.7	8.1		6.5	6.1	5.4	6.1		4.1	6.2	1.8	2.2	1794
DEC		43.4	6.3		9.0	8.8	6.2	6.3		6.6	9.3	4.1	3.2	1637
TOTALS		60.1	5.3		6.7	5.9	4.5	4.3		4.4	6.2	2.6	2.2	20959

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PSYCHROMETRIC SUMMARIES

PART 4

In this section are presented various summaries of dry and wet-bulb temperatures, dewpoints, and relative humidity. The order and manner of representations follows:

1. Cumulative percentage frequency of occurrence--Derived from available hourly observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths, of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily HIGH temperatures (for available observations)
- b. Daily LOW temperatures (for available observations)
- c. Daily mean temperatures (high + low temperatures divided by two)

2. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and available 3-hour groups with all years combined. The following information is provided:

a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations which contain both dry-bulb and wet-bulb temperatures; and dry-bulb, wet-bulb, and dewpoint temperatures separately. Total observations for these four items are also provided in two lines at the end of each table.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dewpoint temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computation for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dewpoint temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

Continued on Reverse

3. Means and standard deviations--These tabulations are derived from available hourly observations and present the mean, standard deviation, and total number of observations for the 3-hour groups, by month and annual and again at the bottom for all hours combine. Summaries for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, AND DEWPOINT TEMPERATURE.

4. Cumulative percentage frequency of occurrence of relative humidity--This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10 percent classes, plus the mean relative humidity and total number of observations presented by month and available 3-hour groups.

METEOROLOGICAL SERVICE
 AIRCRAFT SERVICE
 STATION NAME

DAILY TEMPERATURES

77-84

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
70					1.7	13.7	29.2	11.9	1.0				4.9
75				1.7	34.1	66.0	86.3	72.8	25.2				23.0
80				16.3	66.7	97.1	99.1	99.5	77.7	11.3			38.4
85			7.1	44.5	91.5	100.0	100.0	100.0	98.5	46.9	1.4		49.2
90			18.0	70.8	98.6				100.0	68.0	10.4		65.5
95	3.1	6.9	40.6	94.3	100.0					98.9	42.6	4.5	65.8
100	16.6	75.5	67.3	99.5						100.0	74.8	25.3	76.0
105	43.1	6.1	91.0	100.0							91.4	56.1	7.0
110	78.7	92.0	98.6								99.5	80.5	65.8
115	94.4	97.3	100.0								100.0	96.4	99.0
120	99.5	100.0										99.5	99.9
125	100.0											100.0	100.0
130													
135													
140													
145													
150													
155													
160													
165													
170													
175													
180													
185													
190													
195													
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210													
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240													
245													
250													
255													
260													
265													
270													
275													
280													
285													
290													
295													
300													
MEAN	42.6	5.88	58.3	68.4	76.7	81.9	83.3	91.5	77.1	68.1	58.3	50.0	66.8
S D	6.026	5.533	7.101	5.559	5.018	3.637	3.542	3.188	3.607	5.037	5.776	6.261	12.620
TOTAL OBS	197	188	211	209	211	205	219	202	202	194	222	221	2481

3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL
4430 RIYADH SA

DAILY TEMPERATURES

77-84

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

STATION

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100					12.3	45.7	79.0	49.0	17.3				17.2
95				7.2	34.8	94.6	99.1	99.5	66.3	2.1			3.4
90			5.3	26.8	86.3	100.0	100.0	100.0	98.5	32.0			42.6
85			11.4	55.5	97.2				100.0	61.3	.9		52.1
80	2.1	3.2	28.4	86.6	99.5					92.3	75.2	.9	1.5
75	5.1	11.2	54.5	96.2	100.0					97.4	56.3	9.5	69.4
70	26.4	34.6	78.1	100.0						100.0	21.5	32.6	79.7
65	46.7	67.7	91.0								22.3	57.5	48.1
60	76.1	92.0	99.1								99.5	79.2	95.5
55	97.0	98.4	100.0								100.0	97.3	99.4
50	100.0	100.0										99.5	100.0
45												100.0	100.0
40													
35													
30													
25													
20													
15													
10													
5													
0													
MEAN	57.6	62.5	71.3	80.7	89.4	94.5	96.6	94.4	91.1	81.1	70.0	60.4	74.3
S.D.	6.317	6.114	7.327	5.918	4.666	2.977	2.822	2.532	3.054	4.985	5.835	6.471	14.451
TOTAL OBS	177	176	211	209	211	205	219	272	252	194	222	221	2451

NATIONAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAO

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

STATION 77-84 YEARS

WOLF DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
77		80	85	100	100	111	113	111	107	99	91	80	
78	48	74	93	104	111	113	115	109	111	100	90	80	115
79	78	95	99	105	109	115	115	111	111	104	93	84	115
80	88	100	105	109	113	117	111	108	104	91	84		117
81	97	107	112	115	115	115	108	100	91	84			117
82	79	93	104	112	113	113	113	106	98	81			113
83	81	88	98	107	115	115	113	104	100	91	85		115
84	92	103	106	112	115	115	109	106	99	88	81		113
MEAN	-3.5	4.0	95.0	103.2	105.7		114.5	113.1	109.5	102.2	84.1	93.3	
S.D.				3.17			1.91					2.217	
TOTAL OBS.	177	188	211	206	211	215	214	202	202	194	122	221	241

NOTES: * BASED ON LESS THAN FULL MONTHS

USAF ETAC FORM 0-885 (OIA)

AT LEAST ONE DAY LESS THAN 24 OBS.

~~NOT AT LEAST ONE DAY LESS THAN 24 HRS)~~

PSYCHROMETRIC SUMMARY

77-84

YEARS

MONTH

000-221
HOURS 11 5 11

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISÉ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

• 442 • CYANIDE SALES IN ALABAMA

STATION	STATION NAME
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77-84

435

MONTI

2010-11-24 21:25:19

2432-2433

MOORE, J. E. T.

STATION

STATION NAME

YEARS

[illegible]

METEOROLOGICAL SERVICE
 METEOROLOGICAL SERVICE
 METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

4	4307	WYBORN SAJOT AMBIA
	STATION	STATION NA

'7-84

YEARS

JAN
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

77-84

YEARS

U.S. V.
MONTGOMERY

1942-11-23
HOURS 11.5.1

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
1	STATION 1
2	STATION 2
3	STATION 3
4	STATION 4
5	STATION 5
6	STATION 6
7	STATION 7
8	STATION 8
9	STATION 9
10	STATION 10
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12	STATION 12
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18	STATION 18
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20	STATION 20
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32	STATION 32
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86	STATION 86
87	STATION 87
88	STATION 88
89	STATION 89
90	STATION 90
91	STATION 91
92	STATION 92
93	STATION 93
94	STATION 94
95	STATION 95
96	STATION 96
97	STATION 97
98	STATION 98
99	STATION 99
100	STATION 100

77-94

YEARS

Jan
MONTH

1276-14-1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
7 / 1																																
1 / 17																																
1 / 1																																
1 / 11																																
Total	.1	.1	.1	1.7	4.3	5.1	10.	14.	22.	116.4	5.1	5.8	3.1	1.0	.1																	
																		691		691		691										
Element (X)	ΣX^2	ΣX	X	σ_X	No. Obs.	Mean No. of Hours with Temperature						Total																				
Rel. Hum.	502267	23619	34.2	1.731	691	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																					
Dry Bulb	3748753	45579	66.0	7.584	691			37.3	29.3	3.2		47																				
Wet Bulb	147713	35153	51.0	6.301	691							53																				
Dew Point	623009	24645	35.7	7.996	691		34.5					97																				

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
4-750	DIYAB-SANCT AGALIA

77-24

YEARS

MONTH

100-17-1
HOURS 11 5 7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24	25	26	27	28	29	30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
67 87																							4	4											
67 87																							4	4											
67 87																							4	4											
7 71																							4	4											
7 79																							4	4											
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7 25																																			

PSYCHROMETRIC SUMMARY

77-84

YEARS

MONTH

• • •

1530-17.0
HOURS 1, 5, 9.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
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USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

PSYCHROMETRIC SUMMARY

100-44388-1A

77-64

STATION

STATION NAME

YEARS

MONTH

100

2. *Journal of the American Medical Association*, 1990; 263: 1025-1028.

HOURS (L.S.T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS POEM ARE OBSOLETE

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77-84

YEARS

MONTA

1-70-2000
HOURS 11.5. T.

[illegible]

PSYCHROMETRIC SUMMARY

77-84

44

MONTA

7100-2300
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

77-84

YEARS

JAS
MONTH

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ALL
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
AUG 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

77-84

611

STATION

STATION NAME

YEARS

MONTH

TABLE 1

100-12 5

HOURS 12, 5, 9, 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 77																		1	1																
1 / 76																		1	1																
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1 / 41																		1	1																
1 / 40																																			

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
PAGE 44

GLOBAL CLIMATOLOGY BRANCH
MAGNETAR
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
	EVANGELI ARIARIA

77-61

YEARS

FFA
MONTH

6, 8, 10

000-0250
HOURS 11. 5. 1.1

[illegible]

USAFETAL FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
ETAC
400 EAST 92 STREET/ENAC

PSYCHROMETRIC SUMMARY

0 3303	010004 SAJUT APACIA
STATION	STATION NAME

77-84

55.

STATION

STATION NAME

YEARS

MONTH

Page 1

0300-2500

HOURS (L, S, T,)

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
4 4760	41770 - SAIGI AREA

77-84

YEARS

450
MONTH

450

HOURS 11 S. T. 1

[illegible]

PSYCHROMETRIC SUMMARY

40790 SYMBOLS CARTEL A ASIA

7-84

112

STATION

STATION NAME

YEARS

MONTH

2424-11.2

HOURS (L, S, T,)

[illegible]

PSYCHROMETRIC SUMMARY

'7-54

STATION

STATION NAME

YFARS

MON'DAY

100-4-14

HOURS 10, 5, 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
7 5																		1	1																
7 8																		4	4																
87 97																		3	7																
87 90																		4	7																
7 6																		11	11																
7 43																		34	34																
7 77																		73	73																
7 77																		55	55																
47 73																		44	44																
7 73																		30	30																
7 73																		1	1																
7 69																		27	27																
7 67																		59	59																
67 65																		1	1																
47 57																		70	70	9	1														
7 51																		15	15	2															
7 55																		42	42	1															
7 51																		42	42	1															
7 55																		102	102	1															
47 52																		116	116	1															
7 53																		138	138	4															
7 40																		4	4	11															
7 47																				15															
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47 33																				67															
27 31																				47															
57 2																				40															
7 27																				71															
7 25																				10															
Element (X)	ΣX ²	ΣX	̄X	s ²	No. Obs.	Mean No. of Hours with Temperature											Total																		
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 08-09-2001 BY 60322 UCBAW

45.

MON 4

HOURS 11 5 1

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD A159 667

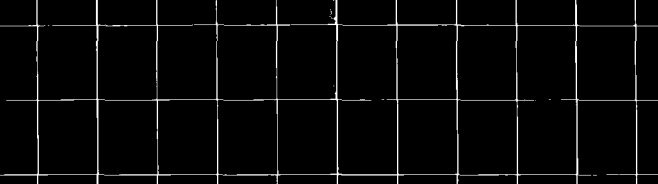
RIYADH SAUDI ARABIA LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARY (LISCS..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. JUN 85
USAFETAC/DS-85/024 F/G 4/2

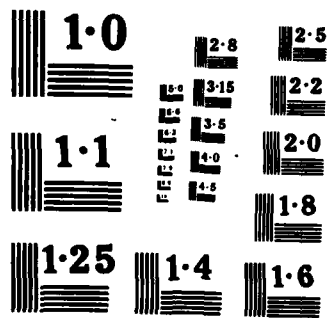
416

UNCLASSIFIED

F/G 4/2

NL





3

PSYCHROMETRIC SUMMARY

77-84

102

STATION

STATION NAME

YEARS

MONTH

FALL

1500-1700
HOURS (11:55 AM)

[illegible]

3

77-84

F L C

STATION

STATION NAME

YEARS

MONTH

PAGE 1

100-2050

HOURS (L, S, T.)

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
O&A
U.S. 64

GLOBAL CLIMATOLOGY BRANCH
NAFETAC
IN WEATHER SERVICE/MAC

4380	RIYADH SAUDI ARABIA
STATION	STATION NAME

77-84

YEARS

FFC
MONTH

PAGE 2 1070-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point													
27 / 21																							1.7											
7 / 17																							6											
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17 / 15																							7											
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TAL	1.7	.5	1.2	2.3	4.7	9.3	13.7	16.5	20.8	23.7	28.2	44.0	2.7	.8	.2					61.7		60.0												
																		61.0		59.0														
Element (X)	Z _{x'}	Z _x	X	G _A	No. Obs.	Mean No. of Hours with Temperature						Total																						
Rel. Hum.	711606	19116	31.9	3.786	600	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																							
Dry Bulb	2741364	40860	67.3	7.134	607			44.4	20.6	3.5		5.6																						
Wet Bulb	1580906	30674	51.1	6.613	600							8.4																						
Dew Point	756462	20734	34.6	8.168	600		34.2					8.4																						

PSYCHROMETRIC SUMMARY

77-84

152

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-230

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7/ 41																																			
7/ 79																																			
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Element (X)	ΣX^1	ΣX	\bar{X}	σ_X	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

77-84

513

2100-2300

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

NAVAL CLIMATEOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4367 MIYAGUCHI SAKI SHABIA

77-84

15

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																		
57/95																		.1	2																				
57/93																		.1	2																				
57/89																			10	17																			
57/97															.0	.1	.0		6																				
57/95								.0					.0	.0	.2				25	25																			
47/83											.0	.1	.1	.2	.2	.0	.0		21	28																			
57/81											.1	.1	.0	.7	.0	.3	.1		132	132																			
57/75								.0	.0	.0	.2	.3	.7	.0	.1	.0			1	90																			
57/77								.0	.0	.1	.1	1.0	1.0	.8	.3	.0			167	169																			
56/75								.0	.1	.1	.4	.6	.9	.4	.1				100	130																			
54/73								.1	.2	.4	.7	1.7	.7	.3	.0				198	199																			
57/71							.0	.1	.2	.5	1.2	1.0	.6	.3					101	100	1																		
57/69							.1	.3	.6	1.1	1.3	1.3	.3	.1					242	243																			
67/67					.1	.3	.6	1.2	1.1	1.6	.7	.1	.0						258	259																			
67/65			.1	.2	.2	.6	1.1	1.4	1.6	.4	.1								215	293	2																		
47/63		.2	.0	.2	.5	.5	1.4	3.2	3.7	1.8	.6	.1							509	609	16	1																	
57/61		.2	.2	.2	.3	.7	1.3	1.7	1.0	.4	.1	.0							295	298	59	9																	
57/59	.1	.0	.2	.4	.4	.8	1.7	2.4	.8	.3									342	304	144	16																	
57/57		.3	.0	.7	1.0	1.4	1.1	.6	.1										300	300	232	9																	
57/55		.1	.0	.7	.7	1.5	2.0	.7	.4	.0									326	327	342	14																	
57/53		.1	.2	.4	1.0	1.5	1.5	.6	.3										276	276	507	47																	
57/51		.4	.5	.5	1.2	1.5	1.0	.4	.0										274	274	563	49																	
53/49		.2	.4	.7	1.3	1.1	.7		.0										218	218	630	106																	
47/47		.2	.4	.4	.7	.6	.4	.1											157	157	575	96																	
47/45		.2	.4	1.0	.8	.6	.1	.5											158	150	519	284																	
44/43		.1	.0	.1	.2	.2													32	32	472	215																	
42/41		.1	.1	.1	.2	.													24	24	314	309																	
40/39				.1	.0														6	6	209	321																	
37/37		.3																	2	2	114	396																	
37/35																					50	469																	
37/33																					1	442																	
32/31																					4	427																	
27/26																						352																	
27/27																						565																	
Element (X)	Σ X ²					Σ X					X̄					σ _X					No. Obs.					Mean No. of Hours with Temperature													
Rel. Hum.																										≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total	
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

PSYCHROMETRIC SUMMARY

14357	DIYAHM SAGGI ARABIA
STATION	STATION NA

77-84

153

STATION

STATION NAME

YEARS

MONTH

PA: -

ALL

HOURS 11 A.M. - 5 P.M.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
7 / 25																						171												
7 / 23																						125												
7 / 21																						151												
7 / 19																						76												
7 / 17																						72												
7 / 15																						26												
7 / 13																						28												
7 / 11																						27												
7 / 9																						22												
7 / 7																						?												
7 / 5																						1												
7 / 3																						1												
TAL	.1	2.0	3.7	5.7	8.0	11.0	13.4	13.6	12.0	9.7	7.9	4.8	3.5	2.2	1.0	.4	.1		434			4324												
																		4824				4824												

U.S. AIR FORCE
 AIRCRAFT
 AIR WEATHER SERVICE

PSYCHROMETRIC SUMMARY

STATION: RIYADH SAUDI ARABIA
 STATION NAME:

77-84

YEARS

MONTH

PAGE 1

1000-0115
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
27.87																			1																
27.85																			1																
27.81										.2	.7	.3	.3	.5	.7				11																
27.77										.9	.2	.5	.2						11																
27.75									.3	.5	.8	.5	.5	.5					14																
47.74									.3	.3	1.1	.5	.8	.2					2																
27.71								.5	.5	.6	.5	1.7	.5	.3					3																
27.65								.7	.5	.8	1.4	1.1	1.1	.5					43																
27.65								.6	.5	.5	2.0	1.4	.9	.6					44																
67.67				.3				.5	.3	1.7	2.0	1.2	.3						44																
67.65				.4				.5	1.2	1.4	2.5	4.7	.8						76			1													
47.63		.5	1.4	1.7	.2	1.1	1.2	4.4	4.0	1.4	.2								16	110		14													
27.61		.7	.5	.2	.5	.7	.7	.7	1.7	1.2	.5								47	45		8													
27.59		.5	.5	.3	1.4	.6	.6	2.3	2.8	.6	.3								2	42		40	15												
27.57		.5	.7	.5	.3	.7	.7	1.5	1.4										14	34		52	18												
57.55		.7	.2		.6	.7	.7	2.2	.3	.2									21	26		52	15												
27.53				.7	.7	1.2	1.1	.3											22	22		41	21												
27.51		.7	.2	.2	.3	.5	.2	.3											12	10		53	23												
27.47		.7	.7		.7	.7	.3												3			101	21												
27.47					.7	.7	.2												7	7		71	27												
47.45																			1	2		41	35												
27.43																						45	20												
27.37																						17	45												
27.35																						17	50												
27.31																							45												
27.27																							44												
27.25																							51												
27.23																							50												
27.21																							2												
27.17																							2												
Element (X)	ΣX^2	ΣX	Σ	Σ^2	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						10 F	12 F	14 F	16 F	18 F	20 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

7-84

STATION

STATION NAME

YEARS

MONTH

2, 3, 5

1935-1937

HOURS 11, 5, 7, 9

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISÉD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

YEARS

17-64

1042

STATION

STATION NAME

MONTH

1425

1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 26

HOURS (L, S, T,)

USAFETAC
FORM
8-64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

PSYCHROMETRIC SUMMARY

77-24

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STATION

STATION NAME

51. **Answer: A**

MONY

1995

10-1-1
HOURS 1.5.7

0.26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC

4 430	LYAL M SAUDI ASADIA
STATION	STATION NAME

77-84

YEARS

U. S. A.

DATE: 11-20-11
HOURS: 11:50

USAFETAC
FORM
DA AG
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MONTH

7970-11.3

HOURS (L, S, T.)

USAFETAC
FORM
AIR 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

STATION	STATION NAME
44489	RIYADH SAUDI ARABIA

YEARS

MONTE

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

METEOROLOGICAL CLIMATOLOGY BRANCH
 METAC
 HEATER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4-1387	RIYADH SAUDI ARABIA
STATION	STATION NAME

77-84

29 Apr
MONTH

PAGE 7 1500-1700
HOURS (L. S. T.)

[illegible]

YEARS MONTH

77-84

4, 1, 2

STATION

STATION NAME

YEARS

MONTH

PAGE : 1970-2017
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

PSYCHROMETRIC SUMMARY

77-84

STATION

STATION NAME

YEARS

1. 2. 3.

MONTH

PAGE 2

1976-2280

HOURS 11 S. T. 1

USAFETAC FORM 0.26-5 (OL A) REVISÉ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

PSYCHROMETRIC SUMMARY

4360	STATION	STATION NAME
		STATION NAME

77-64

434

STATION

STATION NAME

YEARS

MONTH

2100-2300
HOURS L. S. T. 1

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

7-64

YEARS

25

MONTA

DA-5-1

214-220-

HOURS (L. S. T.)

4-707 414844 02 01 8-807A

STATION	STATION NAME
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7-84

YEARS

— 5 —

MONTE

225

444

HOURS 11, 5, 7.

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

77-94

STATION

STATION NAME

YEARS

MORTI

24.5

0300-0500

HOURS 11 - 5 P.M.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
27.2																																			
27.1																																			
27.0																																			
26.9																																			
26.8																																			
26.7																																			
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26.0																																			
25.9																																			
25.8																																			
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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OL A)

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USAFETAC

GLOBAL CLIMATOLOGY BRANCH
J-195TAC
AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

44300	RIYADH SAUDI ARABIA
STATION	STATION NAME

77-84

YEARS

ALL
MONTH

PAGE 1 1000-0920
HOURS (E.S.T.)

[illegible]

3

YEARS

7-84

A 2.

PAGE 2 2010-02-11
HOURS 10. S. T. 1

USAFETAC FORM 0-26-5 (O-L-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

42480	RIYASH SAUDI ARABIA	77-84	AD-
STATION	STATION NAME	YEARS	MONTH

77-84

AD.

STATION

STATION NAME

YEARS

MONTH

! ! ! !

1979-1100

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 44

77-84

2000

PAGE 1 12 0-14,0
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

7-34

STATION	STATION NAME
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YEARS

MONTH

22.9

14-00000-14

HOURS 11, 5, T, 1

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

4 4720 5172.4 5A101 24A.16

77-44

STATION

STATION NAME

YEARS

MONTH

1000-17.0
HOURS 11.5.10

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
71.77																	.1	1	1																
71.75																	.1	1	1																
71.73																	1.1	11	11																
71.71																	1.2	12	12																
71.69																	.4	1.5	1.5																
71.67																	.4	1.5	1.5																
71.65																	.4	1.5	1.5																
71.63																	.4	1.5	1.5																
71.61																	.4	1.5	1.5																
71.59																	.4	1.5	1.5																
71.57																	.4	1.5	1.5																
71.55																	.4	1.5	1.5																
71.53																	.4	1.5	1.5																
71.51																	.4	1.5	1.5																
71.49																	.4	1.5	1.5																
71.47																	.4	1.5	1.5																
71.45																	.4	1.5	1.5																
71.43																	.4	1.5	1.5																
71.41																	.4	1.5	1.5																
71.39																	.4	1.5	1.5																
71.37																	.4	1.5	1.5																
71.35																	.4	1.5	1.5																
71.33																	.4	1.5	1.5																
71.31																	.4	1.5	1.5																
71.29																	.4	1.5	1.5																
71.27																	.4	1.5	1.5																
71.25																	.4	1.5	1.5																
71.23																	.4	1.5	1.5																
71.21																	.4	1.5	1.5																
71.19																	.4	1.5	1.5																
71.17																	.4	1.5	1.5																
71.15																	.4	1.5	1.5																
71.13																	.4	1.5	1.5																
71.11																	.4	1.5	1.5																
71.09																	.4	1.5	1.5																
71.07</																																			

YTABBS

7-24

STATION

STATION NAME

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MONTH

DATE 15-6-17
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MONTE

HOURS: 5 7

USAFETAC FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

Y F A R S

77-84

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0101-2
HOURS 5

USAFETAC
FORM
NW 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CLIMATE CONTROL SYSTEM
STATION
HEAT TO SERVICE

MONTH

[illegible]

USAFETAC
FORM
JUL 84
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
METEOR
A. WEATHER SERVICE/MAI

PSYCHROMETRIC SUMMARY

4357	ITALY SALES AREA
STATION	STATION NAME

77-54

YEARS

MONA

ALL
HOURS 11.5.7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
1/107																		1	1																
1/105																		1	1																
1/101																		1	1																
2/101																	1.1	1	62																
2/99																	3.1	177	175																
3/97																	1.1	122	123																
3/95																	2.4	177	175																
4/92																	1.7	158	159																
5/91																	1.0	24	241																
7/81																	1.1	285	285																
8/87																	1.2	279	279																
9/81																	1.5	270	270																
1/84																	1.1	337	337																
1/81																	2.6	664	665																
7/75																	1.2	371	332																
7/77																	1.0	353	353																
2/75																	2.2	305	305	1															
4/72																	1.5	321	323	5															
2/71																	1.5	285	285	16	1														
1/59																	1.1	251	251	58	1														
5/57																	1.1	207	207	150	1														
5/55																	1.1	175	179	417	7														
4/53																	1.1	202	202	660	34														
2/51																	1.1	27	27	813	77														
7/49																	1.1	2	37	703	61														
1/57																	1.1	15	15	941	149														
5/55																	1.1	17	17	631	176														
4/53																	1.1	3	3	424	177														
2/51																	1.1			256	243														
5/47																	1.1			153	261														
1/45																	1.1			70	236														
4/43																	1.1			31	630														
2/41																	1.1			10	375														
																	1.1			3	347														
Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_X	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						$\leq 0\text{ F}$	$\leq 32\text{ F}$	$\leq 67\text{ F}$	$\leq 73\text{ F}$	$\leq 80\text{ F}$	$\leq 93\text{ F}$						Total																		
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

- 7 - 94

STATION

STATION NAME

YEARS

45

MONT

PAGE 2

444

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb	Dew Point
1																																		1	587
2																																		360	
3																																		440	
4																																		314	
5																																		777	
6																																		262	
7																																		79	
8																																		12	
9																																		1	
10																																		23	
11																																		14	
12																																		10	
13																																		3	
14																																		7	
TOTAL	1.1	1.1	1.1	1.2	2.0	2.0	2.0	4.7	6.9	7.0	10.4	10.0	9.0	8.3	7.8	7.0	13.0																5333	5333	5333

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5467487	149193	28.0	5.575	5333	0 F	32 F	67 F	73 F	80 F	93 F	72.0
Dry Bulb	35281957	430871	80.6	7.032	5343			656.1	554.1	376.4	66.8	72.0
Wet Bulb	18625639	314103	58.9	4.453	5333			31.1	.8			72.0
Dew Point	9455213	218700	41.0	3.546	5333		136.1	.7				72.0

JSAFETAC
FORM
N.Y. 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

77-64

STATION

STATION NAME

YEARS

MON

091-020
HOURS 11:50-12:00

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																
1 97																		2																			
2 95																		3																			
47 93																		12																			
1 91																		26																			
1 87																		44																			
47 87																		79																			
2 84																		26																			
47 82																		43																			
7 81																		146																			
1 78																		4																			
1 77																		56																			
1 75																		0																			
47 73																		7																			
1 71																		7																			
7 59																		7																			
1 67																		7																			
67 55																		7																			
47 53																		7																			
1 61																		7																			
1 59																		7																			
1 57																		7																			
5 7 55																		7																			
47 54																		7																			
1 51																		7																			
1 47																		7																			
1 45																		7																			
47 43																		7																			
1 41																		7																			
1 39																		7																			
1 37																		7																			
1 35																		7																			
1 33																		7																			
1 31																		7																			
Element (X)	Σ X ²	Σ X	X̄	σ _X	No. Obs.	Mean No. of Hours with Temperature																															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (OL A)

USAFETAC

3

JOINT CLIMATE CENTER
AFETAC
AIR WEATHER SERVICE

PSYCHROMETRIC SUMMARY

STATION: DAYTON SAULT WATKINS

7-84

AFV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1000-0000

HOURS T.O.S. T.O.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7/5																						24													
7/22																						42													
7/21																						7													
7/21																						5													
7/21																						2													
7/17																						1													
7/17																						1													
TOT					1.3	2.0	7.1	1.7	4.4	5.5	6.3	17.9	17.8	18.6	15.3	5.5	4.4		641			636													
																		76		636															

Element (X)	Σx^2	Σx	Σ	Σ	No. Obs	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	559183	16375	25.7	13.016	636							67
Dry Bulb	4488253	53287	83.1	5.369	841			62.6	40.5	70.4	2.5	67
Wet Bulb	2331939	38429	60.4	3.957	636			5.4				43
Dew Point	1140765	26807	42.1	9.790	636		17.8	.1				67

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

'7-84

STATION

STATION NAME

YEARS

 $\gamma \approx \gamma$

MONTH

428

— 20 —

HOURS (L, S, T)

[illegible]

PSYCHROMETRIC SUMMARY

4701	STATION SANDY ARABIA
STATION	STATION NAME

77-84

YEARS

DAY
MONTH

PAGE 1309-0500
HOURS (L S T)

[illegible]

3
JUNIOR CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

PSYCHROMETRIC SUMMARY

STATION 77-84
STATION NAME

YEARS

MONTH

PAGE 1

1000-3807
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
97																																			
95																																			
93																																			
91																																			
89																																			
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35																																			
33																																			
31																																			
Element (X)	ΣX^2		ΣX		\bar{X}		σ^2		No. Obs.		Mean No. of Hours with Temperature						Total																		
Rel. Hum.											$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

'7-34

YEARS

AY
MONTH

PAGE 2 100-3850
HOURS (L, S, T.)

[illegible]

USAFETAC
FORM
AA 4-4
0.26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

17-84

YEARS

MONTH

770-11.7
HOURS (L.S.T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS WORK ARE OBSOLETE

0.26-5 (OLA)

USAFETYAC

1. WORLD CLIMATOLOGY (WMO)
 2. WORLD METEOROLOGICAL
 3. WEATHER SERVICE (WMO)

PSYCHROMETRIC SUMMARY

4 4 127 217404 SAJUT AWAGTA

7-84

• • •

STATION

STATION NAME

YEARS

MONTH

LA 100-1110

HOURS (L, S, T, I)

[illegible]

3.

JAL 64
 0-20-0 (UL A)
 20-20-0 (UL A)

17-84

STATION

STATION NAME

YEARS

MONTH

1200-1400
HOURS (L.S.T.)

[illegible]

FAT : 2 SF-VIC: 0000

PSYCHROMETRIC SUMMARY

MONTH

11-14
HOURS 5-1

[illegible]

FORM 0-26-5 (O L A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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MONTH

1000-2750

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

7-24

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STATION

STATION NAME

YEARS

MONTH

PAGE 3

21-6-2310

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
67 79																	1.5	13	17																
7 77																	2.5	22	22																
7 75										.1					.1	1.0	5.0	56	56																
7 73										.1			.7	.1	1.2	2.0	5.6	74	76																
7 71								.1				1.0	1.0	1.6	3.0	6.1	3.7	112	117																
7 69										.1		.7	.9	1.2	3.7	4.1	1.9	91	91																
7 47									.1	.7	1.0	1.3	2.1	4.0	3.3	.7		86	88																
7 45								.1			.7	2.4	1.9	1.9	1.5	.1		65	66																
7 33									.1	1.0	.4	1.0	1.5	2.0	.1			51	51																
7 31								.1	.1	.7	1.5	.9	1.0	2.1	.7			47	49																
7 27							.1	.1	.8	.1	.1	.3	.7					19	19																
7 27							.1	1.0	.6	.3	.1	.1	.1					1	21	2															
7 75					.3	.7	.1		.4			.1						15	13	1															
7 73				.1					.1										2																
7 71				.1															3																
7 69							.1												1	1	24														
7 67	.1																		1	1	31														
7 65	.1	.1																	2	2	36														
7 63																					119														
7 61																					156														
7 59																					112														
7 57																					77														
7 55																					37														
7 53																					20														
7 51																					24														
7 49																					76														
7 47																					37														
7 45																					26														
7 43																					33														
7 41																					49														
7 39																					49														
7 37																					44														
7 35																					42														
7 33																					34														
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7-84

W. Y.
MONTH

STATION

STATION NAME

YEARS

545

01 16-23.5
HOURS 16.5, 23.5

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1. CLIMATE CLIMATOLOGICAL DATA
2. CLIMATE CLIMATOLOGICAL DATA
3. CLIMATE CLIMATOLOGICAL DATA

STATION	STATION NAME	
		7-34

USAFETAC
FORM
AUG 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

77-84

STATION

STATION NAME

YEARS

MONTH

DATE: 1000-0703
HOURS (L. S. T.)

USAFETAC

3

FEDERAL CLIMATOLOGICAL BRANCH
AFSLTAC
AFSUPPORT OF SERVICE/AFAC

PSYCHROMETRIC SUMMARY

4. STATION RIYADH SAUDI ARABIA

7-84

STATION

STATION NAME

YEARS

MONTH

PAGE

0000-0000
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
100																																			
95																																			
90																																			
85																																			
80																																			
75																																			
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5																																			
0																																			
Mean																																			
Max																																			
Min																																			
Element (X)	Z _x	Z _y	X	Y	No. Obs.	Mean No. of Hours with Temperature																													
Ref. Hum.	171667	9837	15.9	5.019	620	0 F	32 F	67 F	73 F	80 F	93 F	Total																							
Dry Bulb	4767712	54444	87.4	3.979	620			90.0	90.0	88.3	10.1	90																							
Wet Bulb	2184455	36741	59.3	3.409	620			2.5				90																							
Dew Point	703198	21578	34.8	8.258	620		37.0					90																							

4-03655 101 YERGEN SALTIER A-4514

STATION	STATION NAME
---------	--------------

17-34

YEARS

MONTH

6-10-78

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE
AFSC
AFSC

77-82

YEARS

MONTE

2000

U.S. 2
HOURS 1. S. 7

USAFETAC FORM 0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

PSYCHROMETRIC SUMMARY

77-84

STATION

STATION NAME

YEARS

MONTI

1200-1400
HOURS L.S.T.

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 84

PSYCHROMETRIC SUMMARY

7-84

YEARS

July
 MONTH

1200-14
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
4-387	1924 SAINT ANANIA

77-34

YEARS

فردی

MON T

224

1,28-17.5

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 113																		.1	14	14															
1 / 113																		.1	5	5															
12 / 111																		.1	5	5															
1 / 110																		15.0	10	10															
7 / 107																		21.0	100	100															
7 / 108																		15.0	125	125															
7 / 113																		15.0	100	100															
2 / 101																		10.0	72	72															
7 / 99																		7.4	53	53															
7 / 97																		.0	0	0															
7 / 90																		.1	1	1															
7 / 9																		.1	1	1															
7 / 83																					14														
7 / 71																					24														
7 / 57																					50														
6 / 67																					160														
6 / 65																					177														
4 / 53																					183														
7 / 43																					70														
7 / 39																					4														
5 / 35																					8														
4 / 33																					3														
27 / 33																					1														
5 / 34																					4														
7 / 67																					7														
4 / 40																					73														
4 / 43																					35														
2 / 41																					44														
4 / 37																					44														
7 / 31																					58														
7 / 30																					61														
3 / 33																					49														
2 / 31																					56														
7 / 23																					24														
Element (X)	Σ x ²	Σ x	\bar{x}	s _x	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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23

USAFETAC

PSYCHROMETRIC SUMMARY

77-64

YEARS

MONTH

DATE: 1970-17-3
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
22-44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7-84

July

STATION

STATION NAME

YEARS

MONTH

1810-410
HOURS (L.S.T.)

[illegible]

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

MONTH

PAGE 1 7170-23.0
HOURS (L. S. T.)

[illegible]

USAFETAC 0-26-5 (OL A) FORM 0-26-5 (OL A) JUL 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
MASTAC
AIR SEATER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 4347	VIYACH SAILI ACASTA
STATION	STATION NAME

77-34

YEARS

MONTI

448

ALL
HOURS 11, 5, 7.

[illegible]

PSYCHROMETRIC SUMMARY

<u>STATION</u>	<u>STATION NAME</u>
1	ASIA

77-84

U.S.
MONT.

YEARS

MONTH

155

1006-375
HOURS 11.5.1

[illegible]

PSYCHROMETRIC SUMMARY

STATION	STATION NAME

7-54

YEARS

1.40M

HOURS 11 5 T

[illegible]

1. AC C. IMPROVED - 1000
2. AC C. IMPROVED - 1000
3. AC C. IMPROVED - 1000

STATION

STATION NAME

YES AND NO

250

HOURS: 11:30 A.M. - 1:00 P.M.

[illegible]

THESE AND OTHERS ARE OBTAINABLE

0.26.5 (OL A)

USAFETAC

3

JUL
MONTH

77-84

YEARS

4474-1

676-6400
HOURS 11.5. T.1

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATELOGY INSTITUTE
MOSCOW
RUSSIAN FEDERATION

7-84

STATION NAME

YEARS

MONTH

HOURS 12, 5, 7, 1

USAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

STATION	STATION NAME
4127	STYAN PAULI ADAMIA

77-64

YEARS

MONTH

PAGE 1 1230-1430
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (01 A)

SAFETAC

PSYCHROMETRIC SUMMARY

7-84

YEARS

3 1/2
MONTH

PAGE 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE
AFMPC/AFMPC
AFMPC/AFMPC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME

77-34

YEARS

3-2
MONTH

1971-1710
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17	18-19	20-21	22-23	24-25	26-27	28-29	30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point															
1 / 117																			1.7	12	12																
1 / 115																			1.7	12	12																
1 / 113																			1.7	12	12																
12 / 111																			14.1	69	102																
1 / 107																			23.7	166	167																
1 / 105																			26.7	153	157																
1 / 103																			115.3	1.6	107																
1 / 101																			1.5	46	46																
2 / 101																			2.8	17	17																
3 / 99																			1.1	5	5																
7 / 97																						8															
5 / 95																						3															
4 / 93																						11															
4 / 91																						15															
7 / 89																						11															
6 / 87																						172															
5 / 85																						279															
4 / 83																						146															
1 / 81																						16															
1 / 79																						1															
7 / 77																						1															
5 / 75																						2															
4 / 73																						1															
2 / 71																						4															
2 / 69																						5															
1 / 67																						2															
1 / 65																						26															
4 / 63																						22															
1 / 61																						36															
4 / 59																						6															
3 / 57																						10															
1 / 55																						49															
3 / 53																						66															
1 / 51																						46															
Element (X)	Σ X ²	Σ X	X	Σ X	No. Obs.	Mean No. of Hours with Temperature						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																			
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

7-34

YEARS

JUL
MONTH

PAGE 10

1506-1710
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7 / 21																						6.8													
7 / 25																						10.2													
7 / 22																						5.7													
27 / 21																						6.8													
7 / 11																						14													
1 / 11																						5													
1 / 13																						4													
Totals																		119.9	7.7			7.0													
																			5.6		7.0														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_A	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	45286	5260	7.5	2.851	700							
Dry Bulb	4314417	76645	108.4	2.773	707			93.0	93.0	93.0	93.0	48
Wet Bulb	3072726	46348	66.2	2.380	700			34.1	2.4			53
Dew Point	783944	72762	32.5	7.915	700		53.7					53

USAFETAC
FORM
JUL 84
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

77-84

100
MONT

100-2111
HOURS 11.5 T.

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

7-84

YEARS

MONTA

71-2-27-1
HOURS 11.5.1

[illegible]

USAFETAC
FORM 0-20-5 (OL A)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CLIMATOLOGY DIVISION
LTD
STATE OF SELECTION AL

7-24

YEARS

MONTH

11-23-77
HOURS 5 Y

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

PSYCHROMETRIC SUMMARY

7-24

YFARS

$\frac{1}{2}$

ALL
HOURS 12.5.7

USAFETAC
FORM
NA 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CLIMATELOGICAL SERVICE
STAG
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MONTH

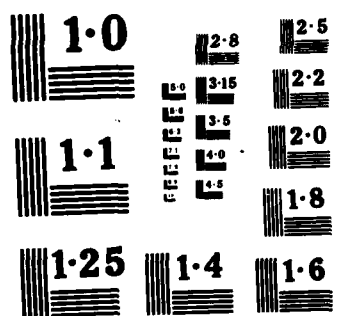
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56

NL

F/G 4/2

A 10x10 grid of squares. The top 8 rows are entirely black. The bottom 2 rows contain some white squares. In the 9th row, the 2nd and 3rd squares from the left are white. In the 10th row, the 2nd and 3rd squares from the left are white, and the 4th square is also white.



3

USAFETAC
FORM
NO. 2-65 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

77-84

YEARS

45
MONT

CASE 1

0000-6700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
2/101																		1	1																
0/ -9																		3	3																
3/ 97																		10	17																
6/ 91																		26	26																
9/ 93																		34	34																
7/ 91																		70	70																
7/ 89																		109	109																
8/ 97																		125	125																
6/ 85																		101	101																
4/ 83																		74	74																
7/ 81																		54	54																
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7/ 31																					54														
7/ 29																					79														
7/ 27																					24														
24/ 23																					7														
Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

3

YEARS

77-84

AUG
MONTH

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
27-21																																			
1-7-17																																			
1-7-15																																			
TOT																			1.4	2.111	0.29	734.820.7	627	677	629										

PSYCHROMETRIC SUMMARY

77-84

YEARS

MONTH

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

300-0500
HOURS (L. S. T.)

[illegible]

JSAFETAC
FORM
JAN 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

PSYCHROMETRIC SUMMARY

77-84

AUG
MONTH

PLS 0300-0510
HOURS 11-5-7-1

JSAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JOURNAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

<u>STATION</u>	<u>STATION NAME</u>
Q 1110	Q 1110 SAUDI ARABIA

77-84

YEARS

Aug
MONTH

111

0000-0000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 97																		1	1																
6 / 95																	1.2	7	7																
1 / 93																.3	.9	14	14																
1 / 91																.7	3.7	29	29																
7 / 89															.2	.3	5.7	54	56																
8 / 87											.2				.9	4.7	5.8	75	75																
6 / 85														.6	2.5	6.9	3.1	86	87																
4 / 83										.7				.3	.6	7.3	7.3	115	115																
2 / 81									.2					.3	2.5	6.1	11.1	3.3	173	173															
1 / 79															.5	1.1	3.3	3.0	51	51															
7 / 77									.2							1.1	2.6	.6	34	34															
1 / 75									.3	.5				.2					6	6															
4 / 73														.7				1	1																
1 / 69																					3														
5 / 67																					2														
6 / 65																					6														
4 / 63																					25	1													
1 / 61																					93														
7 / 59																					125	1													
1 / 57																					192	2													
5 / 55																					149	3													
4 / 53																					39	1													
2 / 51																					4														
5 / 49																						4													
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4 / 43																						1													
2 / 41																						37													
4 / 39																						59													
3 / 37																						82													
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3 / 33																						92													
2 / 31																						101													
3 / 29																						53													
Element (X)	ΣX^1	ΣX	\bar{X}	σ_X	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≈ 67 F	≈ 73 F	≈ 80 F	≈ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

'7-84

YEARS

4.1.
MONTH

PAGE 2 1000-0100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
ALL WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

4 14360	RIYADH SAUDI ARABIA
STATION	STATION NAME

77-94

YEARS

436
MONTH

DATE 1 1960-11-3
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
12/111																	.6	2																
11/110																	.6	4																
7/107																	1.1	6																
7/105																	1.7	12	10															
2/103																	.5	45	45															
2/101																	.1	69	69															
3/99																	.7	28.6	2.4	2.4														
6/97																	.1	13.5	7	9.7														
6/95											.1				.1		.5	14.1	1.5	10.5														
4/93																	.1	7	6.8	7.4														
7/91											.1						.7	1.9	4.9	5.3														
7/89																	.1	.9	.9	1.3														
8/87																	.9																	
6/85																	.1	.1																
4/83																	.1																	
7/81																																		
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Element (X)	Z _H	Z _L	Z	C _A	No. Obs.																													

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

414360 MIYASHI SAKI AERASIA

7-84

4.4.
MONT

STATION

STATION NAME

YEARS

MONT

Page 2

700-115

HOURS (L, S, T,)

[illegible]

PSYCHROMETRIC SUMMARY

77-44

YEARS

213
MONTH

PAGE 2

1970-2000
HOURS (L.S.T.)

[illegible]

ALL OTHERS ARE FROM SMALL AND REMOTE LOCATIONS OR ARE IN REMOTE LOCATIONS OF THIS FORM ARE OBSOLETE

~~0-26-5 (OL A)~~

NOTES

JSAFETAC

PSYCHROMETRIC SUMMARY

4 435	SYAH SAUDI ARABIA
STATION	STATION NA

77-94

YEARS

AUG
MONTH

PAGE 1 0170-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
1/17																		1	1																	
1/103																		1	1																	
2/11																		10	10																	
5/39																		69	69																	
4/97																		52	52																	
6/95																		124	124																	
4/43																		131	131																	
1/91																		131	131																	
7/87																		74	74																	
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3/33																																				
2/31																																				
Element (X)	Σ X ²	Σ X	̄ X	σ _x	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

GLOBAL CLIMATOLOGY BRANCH
 METEOROLOGICAL
 AIR WEATHER SERVICE/AMC

PSYCHROMETRIC SUMMARY

<u>4 430</u>	<u>MIRAL SAUDI ARABIA</u>
STATION	STATION NAME

7-84

YEARS

1
MONTH

— 45 —

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
4 15-7	EL PASO SANDI AREA

77-84

YEARS

611

MONT

5-10-8

444

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

77-34

YEARS

MONTH

PAGE : 0000-0000
HOURS (G.S.T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

GLOBAL CLIMATOLOGY BRANCH
CHAFETAC
AIR WEATHER SERVICE /MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
4 4500	LYACH SANDY BEACH

77-84

YEARS

مونت

4-2-11 375-5400
HOURS 11-5-1-1

[illegible]

3

YEARS

77-84

STATION

STATION NAME

MONY

6 A. 12

300-1000
HOURS (L.S.T.)

USAFETAC
FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7-34

YEARS

MONTH

0000-0000
HOURS (L.S.T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM

JSAFETAC

FEDERAL BUREAU OF INVESTIGATION
 DEPARTMENT OF JUSTICE
 WASHINGTON, D. C. 20535

PSYCHROMETRIC SUMMARY

4 430	1100H (A) 11 AFABIA
STATION	STATION NA

77-24

14

STATION

STATION NAME

YEARS

MONT

... ..

100-111

HOURS 1, 5, 9

[illegible]

PSYCHROMETRIC SUMMARY

U.S. AIR FORCE
 1. STATION
 2. DATE
 3. TIME

4. STATION NAME
 5. STATION NUMBER

6. YEAR

7. MONTH

8. DAY

9. HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
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Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						10 F	32 F	67 F	73 F	80 F	93 F	
Rel. Hum.	145526	9248	13.5	4.93	667							
Dry Bulb	546794	62474	93.7	4.957	667							
Wet Bulb	256534	41276	61.0	2.526	667							
Dew Point	91722	24385	36.6	6.215	667							

PSYCHROMETRIC SUMMARY

77-84

20

STATION

STATION NAME

YEARS

MONTH

225

1274-1413

HOURS (L, S, T,)

3

GENERAL CLIMATOLOGY BRANCH
AFAC TAC
AIR FATHER SERVICE INAC

PSYCHROMETRIC SUMMARY

4 4360 RIYADH SAUDI ARABIA

77-84

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1270-1400

HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
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61																																				
TOTAL																			671	671	671															

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	68210	6480	9.7	2.899	671							
Dry Bulb	7016031	68721	102.0	3.706	671			90.0	90.0	90.0	99.7	40
Wet Bulb	2772744	43114	64.3	1.941	671			8.2				50
Dew Point	807905	22929	34.2	6.032	671		38.6					40

PSYCHROMETRIC SUMMARY

77-54

YEARS

27
MONTH

Page 1 1570-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4. 3-70 OLYMPIA SAILI APACIA

7-84

24

STATION

STATION NAME

YEARS

MONT

6456

15 2-17 2

HOURS 1 - 5 - 7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
71																		.119.0		67-		677													
																			677		677														
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ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 08-27-2001 BY SP-10/1000

7-64

YEARS

25
MONTH

1425

1470-2.00
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MONTH

PAGE 1576-2702
HOURS 11.5.71

[illegible]

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0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

77-84

153

STATION

STATION NAME

YEARS

MONTH

PA. 5

71 00-2300

HOURS		S		T	
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

77-54

STATION	STATION NAME
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YEARS

2.1
MONTH

PAGE 1 1000-1200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
67 87																		1	1																
57 85																		1	6																
47 83																		15	15																
37 81										.7	.3	2.4	4.1	3.7	1.5	.7		45	45																
27 79									.2	.7	1.1	1.5	2.7	2.4	.5			73	59																
17 77							.7	.4	.3									74	41																
7 75						.7	.3			1.5	2.4	4.4	1.6	.7				74	75																
67 73					.2	.2	.7	.2	.6	.7	3.4	1.8	.3	.2				2	17																
57 71						.3	.5	.3	.3	1.3	3.1	2.4	.4					51	61																
47 69				1.2	.3	.5			1.0	2.3	5.1	1.8	.2					75	75	2															
37 67								.5	1.7	1.8	2.6	.8	.2					43	40	5															
27 65									.9	1.2	1.3	.2	.3					33	33	15															
17 63		.7	.7	.3	.7			.7	.2		.3	.5						17	17	19	15														
7 61			.7							.2	1.1	.2						10	10	29	13														
67 59											.7							3	7	42	4														
57 57																				31	7														
47 55																			26	10															
37 53																				12	7														
27 51																			8	5															
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37 25																					15														
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Element (X)	ΣX^2	ΣX	\bar{X}	σ_X	No. Obs.																														

PSYCHROMETRIC SUMMARY

7-84

STATION	STATION NAME
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YEARS

MONY

646

HOURS 11. 5. T. 11

[illegible]

PSYCHROMETRIC SUMMARY

7-34

STATION

STATION NAME

FA85

MONTH

- A. 1

204-1110

HOURS : : S T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point							
7 / 31																									1	1									
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0.26.5 (OL A)

FROM

USAFETAC

PSYCHROMETRIC SUMMARY

17-84

STATION

STATION NAME

YEARS

MONTH

HOURS 1 5 2

[illegible]

JSAFETAC
FORM
N.Y. 64
0-26-5 (OLA)
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PSYCHROMETRIC SUMMARY

77-84

YEARS

67
MONTH

PAGE 1 1076-0800
HOURS (L. S. T.)

0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JETAL CLIMATOLOGY BRANCH
 METAC
 AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

4 487	RIYADH SAUDI ARABIA
STATION	STATION NAME

7-84

YEARS

667
MONTH

443

1976-11-0
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS PLOW ARE OBSOLETE

0.26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME

7-94

YEARS

67

MONTH

1210-14.0
HOURS (L. S. T.)

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

7-34

YEARS

MONTH

1275-14.0
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

<u>STATION</u>	<u>STATION NAME</u>
0-377	WILSON STREET AREA

77-84

557

STATION	STATION NAME
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YEARS

MONTH

646F 15 16-17.3

15 16-17 0

HOURS 1, 5, T,)

[illegible]

PSYCHROMETRIC SUMMARY

[illegible]

7-84

457

STATION

STATION NAME

YEARS

MON T

1. 1. 1.

HOURS 11 S. T. 1

[illegible]

PSYCHROMETRIC SUMMARY

77-54

STATION	STATION NAME
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YF 485

MONTH

10-21-77
HOURS (L.S.T.)

[illegible]

USAFETAC
FORM
AF 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

'7-84

STATION

STATION NAME

YEARS

MONT

425

31 8-29

HOURS 12. 5. 7.

[illegible]

LOCAL CLIMATOLOGY BRANCH
METAC
AIRPORT RD. SEASIDE, CALIF.

7-54

YEARS

MONTH

ALL
HOURS 1.5 T

[illegible]

JOINT CLIMATE COMMAND
 METAC
 AIR FORCE SERVICE

PSYCHROMETRIC SUMMARY

STATION: YAGAH SAKU 4A014 STATION NAME: 7-84 YEARS: 1971 MONTH: ALL
 HOURS (U.S. ST): 744

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
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17-61

42

NOTATION

STATION NAME

YEARS

MONTH

115

206-25, 2

HOURS 11. 5. 7. 1

[illegible]

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
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'7-84

YEARS

4. MONTH

67C-2027
HOURS 11-5-11

[illegible]

PSYCHROMETRIC SUMMARY

7-84

STATION	STATION NAME
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YEARS

MONTH

DATE: 10-11-77
HOURS: 11:30

[illegible]

1. GENERAL CLIMATOLOGY - WASH
 2. WEATHER - WASH
 3. WEATHER SERVICE - WASH

PSYCHROMETRIC SUMMARY

4-137 - 1741 - 10001 ARABIA

77-84

h i

STATION

STATION NAME

YEARS

MONTH

• • • • •

1400-1110
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

[illegible]

77-84

A

STATION

STATION NAME

YEARS

MONTH

1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 26

HOURS 11.5 T.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
7 / 47															.1	.4	.7																	
7 / 71															.1	.4	.7																	
7 / 81														.3	.7	1.4	1.7																	
8 / 47										.1	.1	.4	.1	.	1.3	1.7	.7																	
8 / 55										.3	.4	.4	1.7	1.9	3.2	.6																		
8 / 51										.2	.1	.	1.6	3.6	2.3	.7																		
7 / 51										.3	.7	1.0	1.4	2.3	4.2	5.6	1.7																	
7 / 71								.1	.1	.7	1.0	1.6	1.6	1.4	1.7	.1																		
7 / 77								.7	.4	.6	1.3	1.4	2.3	.7																				
11 / 7								.3	.7	1.7	1.3	1.6			.7																			
8 / 75								.3	.7	.4	.9	1.6	2.6	.4	.1																			
11 / 71								.3	.7	.6	1.0	1.0	.6	.1	.3																			
7 / 65				.1	.1	.1	.3	.1	1.0	.9	.3		.1																					
7 / 67				.1	.1	.3	.1	.6	1.2	.6	.1	.1																						
6 / 65				.1	.9		.1	.3	1.3	.1																								
4 / 51			.1		.3	.6	.3	.6	1.3	.6																								
2 / 41				.1	.1	.1	.9																											
7 / 55				.1	.1	.1																												
7 / 57				.1		.1																												
5 / 45																																		
4 / 53																																		
2 / 51																																		
7 / 4																																		
4 / 47																																		
4 / 41																																		
14 / 43																																		
2 / 41																																		
4 / 35																																		
7 / 35																																		
3 / 33																																		
1 / 31																																		
1 / 21																																		
Element (X)	ΣX^2	ΣX	\bar{X}	S_x	No. Obs.	Mean No. of Hours with Temperature											Total																	
Rel. Hum.						≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																							
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

PSYCHROMETRIC SUMMARY

7-54

YEARS

Results

446

14-00000-14.5

HOURS 14. S. T.

[illegible]

REMOVED PREVIOUS EDITIONS OF THIS NORM ARE OBSOLETE

0.26-5 (OLA)

FORM

USAFETAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME

7-44

MONTH

DATE 1 1-16-17
HOURS 11.5.17

[illegible]

PSYCHROMETRIC SUMMARY

77-54

 μ^2 y

STATION	STATION NAME
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YEARS

MONTH

145

100-3-17

HOURS 11.5. 2.1

[illegible]

USAF/IAL FORM 0.26-5 (OL A) JAN 64

YEARS _____ MONTH _____

[illegible]

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
1	1
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93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

7-54

YEARS

MONTH

14.000 14.000-21.000
HOURS 14.000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16-17	18-19	20-21	22-23	24-25	26-27	28-29	30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
74				1.2	1.0	2.0	5.2	5.4	10.0	11.0	11.0	13.5	17.4	19.1	24.0	26.0							667	666											
																			666				666												

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	741093	20311	30.51	3.526	666	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3677353	48843	73.2	6.788	667			75.2	53.7	15.8		95
Wet Bulb	2027177	36639	55.0	4.165	666			23				90
Dew Point	1023125	25537	38.3	4.129	666		23.1					90

NATIONAL CLIMATOLOGICAL SERVICE
 METEOROLOGICAL STATION
 AIR WEATHER SERVICE - 20

PSYCHROMETRIC SUMMARY

1. 4. 7. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841.

7-24

Figure 1

STATION

STATION NAME

YEARS

MONT

64.1 1 12-21
HOURS 11:51

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|------------|-----------|-------|----------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 77.43 | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 77.81 | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 77.79 | | | | | | | | | | .1 | .1 | .4 | .1 | .3 | .7 | | | 11 | | 11 | | | | | | | | | | | | | | | |
| 77.77 | | | | | | | | .1 | .1 | 1.2 | .9 | 1.4 | 1.0 | .7 | | | | 14 | | 14 | | | | | | | | | | | | | | | |
| 77.75 | | | | | | | .1 | .1 | .4 | .7 | 1.7 | 1.6 | 1.2 | .6 | | | | 14 | | 14 | | | | | | | | | | | | | | | |
| 47.73 | | | | | | | | | | 2.4 | 1.6 | 4.3 | 1.4 | .4 | | | | 14 | | 14 | | | | | | | | | | | | | | | |
| 77.71 | | | | | | | .1 | .4 | 2.2 | 3.5 | 2.1 | 1.7 | | | | | | 75 | | 75 | | | | | | | | | | | | | | | |
| 77.69 | | | | | | | | | 1.3 | 7.5 | 4.5 | 2.3 | .3 | | | | | 12 | | 12 | | | | | | | | | | | | | | | |
| 77.67 | | | | | .1 | .7 | .4 | .7 | 3.9 | 1.6 | 2.6 | .6 | | | | | | 4 | | 7 | | | | | | | | | | | | | | | |
| 67.65 | | | | | .7 | .7 | 1.7 | 1.2 | 2.4 | 2.2 | 1.7 | .1 | | | | | | 67 | | 67 | | | | | | | | | | | | | | | |
| 47.63 | | .9 | .1 | .4 | .4 | | 1.2 | 1.0 | 2.0 | .3 | .7 | | | | | | | 67 | | 67 | | | | | | | | | | | | | | | |
| 77.61 | | .1 | | .1 | .1 | .7 | 2.2 | 1.3 | .4 | .3 | | | | | | | | 1 | | 31 | | | | | | | | | | | | | | | |
| 77.59 | | | .1 | .1 | 1.3 | | 1.3 | .7 | .3 | | | | | | | | | 1 | | 31 | | | | | | | | | | | | | | | |
| 77.57 | | | | .3 | .1 | 1.7 | 1.4 | .7 | .1 | | | | | | | | | 34 | | 34 | | | | | | | | | | | | | | | |
| 57.55 | | .7 | .3 | .1 | .1 | .7 | 1.1 | .1 | | | | | | | | | | 17 | | 17 | | | | | | | | | | | | | | | |
| 47.53 | | .7 | .7 | | .1 | .8 | .1 | .1 | | | | | | | | | | 11 | | 11 | | | | | | | | | | | | | | | |
| 77.51 | | | .1 | | .3 | | .1 | | | | | | | | | | | 4 | | 115 | | | | | | | | | | | | | | | |
| 77.49 | | | .3 | | | | | | | | | | | | | | | 4 | | 4 | | | | | | | | | | | | | | | |
| 47.47 | | | .7 | | | | | | | | | | | | | | | 1 | | 45 | | | | | | | | | | | | | | | |
| 47.45 | | | | | | | | | | | | | | | | | | | | 72 | | | | | | | | | | | | | | | |
| 77.43 | | | | | | | | | | | | | | | | | | | | 24 | | | | | | | | | | | | | | | |
| 77.41 | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| 77.39 | | | | | | | | | | | | | | | | | | | | 17 | | | | | | | | | | | | | | | |
| 77.37 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 77.35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77.33 | | | | | | | | | | | | | | | | | | | | | 67 | | | | | | | | | | | | | | |
| 77.31 | | | | | | | | | | | | | | | | | | | | | 67 | | | | | | | | | | | | | | |
| 77.29 | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | | |
| 77.27 | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | | |
| 77.25 | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | | |
| 77.23 | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | | |
| 77.21 | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | | |
| 77.19 | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | | |
| 77.17 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| Element (X) | Σx^2 | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | 10 F | 32 F | 67 F | 73 F | 80 F | 93 F | Total | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

7-24

| STATION | STATION NAME |
|---------|--------------|
|---------|--------------|

YEARS

MONT

HOURS S T

[illegible]

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 08-01-2001 BY 60322 UCBAW

HOURS 12, 5, 7

[illegible]

JOURNAL CLIMATE 1990
 JOURNAL CLIMATE 1990
 JOURNAL CLIMATE 1990

PSYCHROMETRIC SUMMARY

| STATION | STATION NAME |
|---------|-----------------|
| | INDIA EAST ASIA |

'7-84

VFARS



ALL
HOURS 1, 5, 9

[illegible]

AL CLIMATOLOGY
STC
HEAT OF SERVICE

7-24

YEARS

516
MONTA

1070-2-1-5
HOURS (G. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

[illegible]

7-34

MONY

✓ **FARS**

MONY

• • •

3-2-60
HOURS 11.5.9.

[illegible]

A . . . CAR + A SERVICE - 108'

7-84

STATION

STATION NAME

YEARS

MONTH

[illegible][illegible]

PSYCHROMETRIC SUMMARY

77-24

STATION

STATION NAME

YEARS

MONTH

HOURS 11.5

[illegible]0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS NORM ARE OBSOLETE

USAFETAC

JOINT CLIMATOLOGY DIVISION
AFETAC
WEATHER SERVICE

PSYCHROMETRIC SUMMARY

STATION: SIYAH SAHJI ARABIA

7-84

STATION

STATION NAME

YEARS

MONTH

DATE

1984-11-8

HOURS 11.5 T.T.

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | >31 | D.B. - W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 77 | | 1.1 | 4.1 | 7.1 | 10.1 | 13.1 | 16.1 | 19.1 | 22.1 | 25.1 | 28.1 | 31.1 | 34.1 | 37.1 | 40.1 | 43.1 | 46.1 | 77.0 | 77.0 | 77.0 | 77.0 | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | < 0 F | < 32 F | < 67 F | < 73 F | < 80 F | < 93 F | |
| Rel. Hum. | 1650823 | 32363 | 45.7 | 15.405 | 706 | | | | | | | 53 |
| Dry Bulb | 2676131 | 43221 | 61.0 | 7.643 | 706 | | | 21.4 | 6.0 | | | 53 |
| Wet Bulb | 1772118 | 35152 | 49.8 | 5.572 | 706 | | | | | | | 53 |
| Dew Point | 1545170 | 27188 | 38.5 | 8.265 | 706 | | 22.7 | | | | | 53 |

FEDERAL CLIMATOLOGY BUREAU
 WASHINGTON
 NATIONAL SERVICE AREA

PSYCHROMETRIC SUMMARY

| STATION | STATION NAME |
|---------|--------------------|
| 4320 | 4320 - 0107 AMAGIA |

77-94

YF 489

3. -

1256-14 3
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

200
MONTA

14-0-14.5
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

| STATION | STATION NAME |
|---------|--------------|
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |
| 21 | 21 |
| 22 | 22 |
| 23 | 23 |
| 24 | 24 |
| 25 | 25 |
| 26 | 26 |
| 27 | 27 |
| 28 | 28 |
| 29 | 29 |
| 30 | 30 |
| 31 | 31 |
| 32 | 32 |
| 33 | 33 |
| 34 | 34 |
| 35 | 35 |
| 36 | 36 |
| 37 | 37 |
| 38 | 38 |
| 39 | 39 |
| 40 | 40 |
| 41 | 41 |
| 42 | 42 |
| 43 | 43 |
| 44 | 44 |
| 45 | 45 |
| 46 | 46 |
| 47 | 47 |
| 48 | 48 |
| 49 | 49 |
| 50 | 50 |
| 51 | 51 |
| 52 | 52 |
| 53 | 53 |
| 54 | 54 |
| 55 | 55 |
| 56 | 56 |
| 57 | 57 |
| 58 | 58 |
| 59 | 59 |
| 60 | 60 |
| 61 | 61 |
| 62 | 62 |
| 63 | 63 |
| 64 | 64 |
| 65 | 65 |
| 66 | 66 |
| 67 | 67 |
| 68 | 68 |
| 69 | 69 |
| 70 | 70 |
| 71 | 71 |
| 72 | 72 |
| 73 | 73 |
| 74 | 74 |
| 75 | 75 |
| 76 | 76 |
| 77 | 77 |
| 78 | 78 |
| 79 | 79 |
| 80 | 80 |
| 81 | 81 |
| 82 | 82 |
| 83 | 83 |
| 84 | 84 |
| 85 | 85 |
| 86 | 86 |
| 87 | 87 |
| 88 | 88 |
| 89 | 89 |
| 90 | 90 |
| 91 | 91 |
| 92 | 92 |
| 93 | 93 |
| 94 | 94 |
| 95 | 95 |
| 96 | 96 |
| 97 | 97 |
| 98 | 98 |
| 99 | 99 |
| 100 | 100 |

7-24

35

YEARS

MONTH

24.5

15-00-17-2

HOURS (L. S. Y.)

[illegible]

PSYCHROMETRIC SUMMARY

| STATION | STATION NAME |
|---------|--------------|
| | STATION NAME |

- 7 - 64

YEARS

MONTH

14-00000
HOURS 1 5 9

[illegible]

PSYCHROMETRIC SUMMARY

7-84

41 ARS

MONTE

HOURS 11:55 T

[illegible]

USAFETAC
FORM 0-26-5 (OLA)
REV 44
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| STATION | STATION NAME |
|---------|--------------|
|---------|--------------|

Y E A R S

ALL
MONTH

466
HOURS (L. S. T.)

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL
D.B.-W.B. | | TOTAL | |
|--------------|-------------------------------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|----|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|--|--------------------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 1/11 | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| 1/31 | | | | | | | | | | | | | | | | | | 4 | 5 | | | | | | | | | | | | | | | | |
| 1/11 | | | | | | | | | | | | | | | | | | 13 | 177 | | | | | | | | | | | | | | | | |
| 12/11 | | | | | | | | | | | | | | | | | | 5 | 524 | 310 | | | | | | | | | | | | | | | |
| 1/1 | | | | | | | | | | | | | | | | | | 1.2 | 76 | 783 | | | | | | | | | | | | | | | |
| 1/1 | | | | | | | | | | | | | | | | | | 1 | 12 | 12 | | | | | | | | | | | | | | | |
| 1/1 | | | | | | | | | | | | | | | | | | 2 | 1572 | 1577 | | | | | | | | | | | | | | | |
| 1/1 | | | | | | | | | | | | | | | | | | 7 | 1641 | 1646 | | | | | | | | | | | | | | | |
| 2/1 | | | | | | | | | | | | | | | | | | 2.4 | 171 | 1791 | | | | | | | | | | | | | | | |
| 2/9 | | | | | | | | | | | | | | | | | | 1 | 3277 | 3277 | | | | | | | | | | | | | | | |
| 2/67 | | | | | | | | | | | | | | | | | | 2.4 | 16 | 1657 | | | | | | | | | | | | | | | |
| 2/35 | | | | | | | | | | | | | | | | | | 2.6 | 148 | 1446 | | | | | | | | | | | | | | | |
| 2/3 | | | | | | | | | | | | | | | | | | 2.3 | 1526 | 1534 | | | | | | | | | | | | | | | |
| 2/1 | | | | | | | | | | | | | | | | | | 1.3 | 21 | 2187 | | | | | | | | | | | | | | | |
| 2/8 | | | | | | | | | | | | | | | | | | 1.1 | 2257 | 2244 | | | | | | | | | | | | | | | |
| 2/37 | | | | | | | | | | | | | | | | | | 1.2 | 2365 | 2373 | | | | | | | | | | | | | | | |
| 2/75 | | | | | | | | | | | | | | | | | | 1.2 | 2457 | 2465 | | | | | | | | | | | | | | | |
| 2/1 | | | | | | | | | | | | | | | | | | 1.3 | 2619 | 2624 | | | | | | | | | | | | | | | |
| 2/1 | | | | | | | | | | | | | | | | | | 1.6 | 457 | 467 | | | | | | | | | | | | | | | |
| 2/1 | | | | | | | | | | | | | | | | | | 1.7 | 2125 | 2132 | | | | | | | | | | | | | | | |
| 2/77 | | | | | | | | | | | | | | | | | | 1.7 | 2253 | 2267 | | | | | | | | | | | | | | | |
| 2/7 | | | | | | | | | | | | | | | | | | 1.7 | 1975 | 1914 | | | | | | | | | | | | | | | |
| 2/3 | | | | | | | | | | | | | | | | | | 1.4 | 1643 | 1951 | | | | | | | | | | | | | | | |
| 2/71 | | | | | | | | | | | | | | | | | | 1.4 | 1668 | 1875 | | | | | | | | | | | | | | | |
| 2/67 | | | | | | | | | | | | | | | | | | 1.5 | 1862 | 1869 | | | | | | | | | | | | | | | |
| 2/67 | | | | | | | | | | | | | | | | | | 1.5 | 1879 | 1906 | | | | | | | | | | | | | | | |
| 2/67 | | | | | | | | | | | | | | | | | | 1.5 | 2042 | 2045 | | | | | | | | | | | | | | | |
| 2/67 | | | | | | | | | | | | | | | | | | 1.5 | 3661 | 3672 | | | | | | | | | | | | | | | |
| 2/81 | | | | | | | | | | | | | | | | | | 1.6 | 1622 | 1629 | | | | | | | | | | | | | | | |
| 2/79 | | | | | | | | | | | | | | | | | | 1.6 | 1821 | 1825 | | | | | | | | | | | | | | | |
| 2/57 | | | | | | | | | | | | | | | | | | 1.6 | 1405 | 1410 | | | | | | | | | | | | | | | |
| 2/35 | | | | | | | | | | | | | | | | | | 1.6 | 1405 | 1409 | | | | | | | | | | | | | | | |
| 2/53 | | | | | | | | | | | | | | | | | | 1.6 | 1205 | 1210 | | | | | | | | | | | | | | | |
| 2/51 | | | | | | | | | | | | | | | | | | 1.6 | 1087 | 1089 | | | | | | | | | | | | | | | |
| Element (X) | Σx^2 | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | | | | | Total | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

• • • • • Y F B C A G I A G A S T A

77-84

STAT/2M

STATION NAME

YEARS

MONTH

ALL
HOURS 11 5 T

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

MEM

USAFETAC

GENERAL CLIMATOLOGY
 ETAC
 AIRCRAFT SERVICE MANUAL

MEANS AND STANDARD DEVIATIONS

DAY-BLOCK TEMPERATURES DEGREES F FROM HOURLY OBSERVATIONS

STATION 44700 DAYTON, OHIO
 STATION NAME DAYTON, OHIO

7-34

YEARS

| HRS. TEST | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-------|-------|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|--------|
| MEAN | 3.0 | 56.0 | 64.7 | 74.2 | 83.1 | 87.4 | 89.7 | 85.0 | 84.3 | 74.1 | 53.0 | 55.0 | 72.9 |
| S.D. | 6.254 | 5.461 | 7.369 | 6.308 | 5.3 | 3.979 | 3.809 | 3.733 | 3.930 | 5.573 | 6.073 | 6.147 | 14.152 |
| TOTAL OBS | 621 | 583 | 646 | 651 | 641 | 623 | 656 | 629 | 647 | 619 | 555 | 683 | 7661 |
| MEAN | 1.4 | 53.0 | 61.0 | 71.1 | 79.2 | 83.4 | 85.6 | 84.1 | 8.2 | 70.5 | 51.3 | 53.2 | 71.0 |
| S.D. | 6.18 | 5.842 | 6.997 | 6.027 | 4.451 | 4.153 | 3.937 | 3.756 | 3.955 | 5.411 | 5.861 | 6.395 | 13.455 |
| TOTAL OBS | 572 | 574 | 645 | 645 | 659 | 636 | 623 | 675 | 646 | 644 | 637 | 634 | 7639 |
| MEAN | 49.9 | 52.5 | 60.9 | 71.1 | 80.1 | 84.7 | 86.7 | 84.4 | 79.9 | 7.2 | 50.4 | 52.1 | 69.7 |
| S.D. | 6.307 | 6.007 | 7.071 | 6.306 | 5.915 | 4.870 | 4.515 | 4.273 | 4.458 | 5.891 | 6.047 | 6.540 | 14.397 |
| TOTAL OBS | 611 | 572 | 636 | 634 | 663 | 641 | 663 | 647 | 621 | 636 | 654 | 656 | 7646 |
| MEAN | 57.0 | 61.7 | 70.5 | 81.8 | 91.2 | 97.6 | 99.9 | 97.6 | 93.7 | 93.4 | 7.8 | 61.0 | 70.7 |
| S.D. | 7.162 | 7.069 | 6.244 | 7.406 | 6.430 | 4.632 | 4.241 | 4.324 | 4.557 | 7.49 | 7.285 | 7.643 | 16.315 |
| TOTAL OBS | 603 | 627 | 700 | 694 | 709 | 684 | 708 | 647 | 667 | 623 | 643 | 704 | 8274 |
| MEAN | 66.0 | 70.3 | 78.3 | 89.2 | 98.8 | 104.0 | 107.0 | 105.0 | 102.0 | 91.5 | 74.5 | 65.4 | 86.9 |
| S.D. | 7.044 | 7.645 | 8.751 | 7.331 | 5.905 | 3.715 | 3.240 | 3.075 | 3.716 | 6.373 | 7.566 | 6.115 | 16.133 |
| TOTAL OBS | 621 | 641 | 727 | 657 | 719 | 684 | 701 | 692 | 674 | 701 | 692 | 713 | 8320 |
| MEAN | 63.1 | 72.6 | 8.6 | 90.8 | 100.4 | 106.4 | 108.4 | 106.7 | 102.9 | 91.7 | 79.4 | 64.9 | 90.0 |
| S.D. | 7.603 | 7.535 | 8.567 | 7.310 | 5.611 | 3.295 | 2.773 | 2.569 | 3.3 | 6.375 | 7.411 | 6.145 | 15.846 |
| TOTAL OBS | 667 | 626 | 718 | 691 | 68 | 684 | 707 | 695 | 676 | 627 | 629 | 713 | 8221 |
| MEAN | 2.0 | 67.3 | 75.4 | 85.4 | 95.3 | 100.9 | 102.8 | 100.9 | 96.4 | 85.2 | 73.2 | 64.2 | 84.2 |
| S.D. | 7.071 | 7.139 | 8.292 | 7.372 | 5.519 | 3.990 | 3.650 | 3.832 | 4.144 | 5.914 | 6.748 | 7.321 | 15.770 |
| TOTAL OBS | 664 | 617 | 689 | 673 | 661 | 653 | 692 | 686 | 654 | 640 | 667 | 712 | 8036 |
| MEAN | 57.2 | 61.0 | 69.3 | 79.3 | 88.5 | 93.1 | 95.3 | 93.3 | 89.3 | 78.7 | 67.8 | 59.3 | 77.6 |
| S.D. | 6.600 | 6.296 | 7.724 | 6.641 | 5.564 | 3.815 | 3.476 | 3.632 | 3.969 | 5.593 | 6.394 | 6.562 | 14.802 |
| TOTAL OBS | 650 | 611 | 660 | 659 | 681 | 636 | 654 | 650 | 662 | 658 | 695 | 718 | 7949 |
| ALL HOURS | 66.6 | 62.2 | 7.5 | 80.6 | 89.8 | 95.0 | 97.1 | 95.2 | 91.3 | 81.0 | 69.6 | 60.7 | 79.4 |
| S.D. | 7.293 | 7.770 | 10.575 | 10.032 | 9.558 | 9.378 | 9.195 | 9.178 | 9.476 | 10.140 | 9.598 | 9.553 | 16.688 |
| TOTAL OBS | 5115 | 4640 | 5397 | 5346 | 5440 | 5241 | 5467 | 5371 | 5241 | 5208 | 5347 | 5532 | 63757 |

WORLD CLIMATE DATA CENTER
 W-ETAC
 AIR WEATHER SERVICE

MEANS AND STANDARD DEVIATIONS

STATION TEMPERATURES DEGREE F FROM HOURLY OBSERVATIONS

STATION: YALH-SAT-4-ABIA
 STATION NAME: YALH-SAT-4-ABIA

77-84

YEARS

| HRS. LST | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| MEAN | 4.7 | 4.6 | 4.6 | 5.6 | 6.4 | 5.3 | 5.4 | 5.2 | 5.5 | 5.3 | 5.1 | 4.7 | 5.4 |
| S.D. | 5.3 | 5.1 | 5.7 | 4.4 | 3.9 | 4.0 | 2.5 | 2.5 | 2.4 | 4.5 | 4.7 | 5.3 | 7.0 |
| TOTAL OBS | 12 | 5 | 42 | 48 | 63 | 62 | 65 | 62 | 67 | 61 | 63 | 63 | 762 |
| MEAN | 4.3 | 4.6 | 5.3 | 5.6 | 5.9 | 5.1 | 5.5 | 5.1 | 5.6 | 5.3 | 5.2 | 4.8 | 5.3 |
| S.D. | 5.4 | 5.1 | 5.9 | 4.5 | 2.8 | 3.7 | 2.8 | 2.7 | 2.7 | 5.5 | 5.9 | 5.8 | 7.7 |
| TOTAL OBS | 57 | 57 | 64 | 64 | 65 | 63 | 67 | 67 | 62 | 63 | 63 | 63 | 761 |
| MEAN | 4.3 | 4.1 | 5.1 | 5.8 | 5.9 | 5.7 | 5.1 | 5.8 | 5.6 | 5.1 | 4.9 | 4.5 | 5.2 |
| S.D. | 5.2 | 5.3 | 6.1 | 4.7 | 4.3 | 3.7 | 3.2 | 2.7 | 2.6 | 5.7 | 5.3 | 5.9 | 7.5 |
| TOTAL OBS | 6 | 57 | 63 | 62 | 66 | 63 | 62 | 64 | 62 | 63 | 65 | 65 | 762 |
| MEAN | 4.7 | 4.7 | 5.5 | 5.6 | 6.3 | 6.3 | 6.3 | 6.2 | 6.1 | 5.9 | 5.4 | 4.9 | 5.7 |
| S.D. | 5.5 | 4.5 | 5.5 | 4.2 | 3.7 | 3.4 | 3.0 | 2.7 | 2.5 | 4.3 | 4.4 | 5.5 | 7.3 |
| TOTAL OBS | 6 | 62 | 69 | 64 | 7 | 64 | 72 | 69 | 67 | 69 | 62 | 72 | 825 |
| MEAN | 5.0 | 5.2 | 5.7 | 6.1 | 6.5 | 6.4 | 6.6 | 6.5 | 6.4 | 6.1 | 5.7 | 5.3 | 6.0 |
| S.D. | 5.3 | 4.7 | 5.3 | 3.8 | 3.5 | 2.9 | 2.5 | 2.3 | 1.9 | 3.4 | 4.3 | 5.1 | 6.6 |
| TOTAL OBS | 6 | 61 | 75 | 67 | 71 | 63 | 73 | 69 | 67 | 69 | 69 | 71 | 830 |
| MEAN | 5.1 | 5.3 | 5.7 | 6.2 | 6.5 | 6.7 | 6.6 | 6.5 | 6.4 | 6.1 | 5.7 | 5.3 | 6.0 |
| S.D. | 5.1 | 4.5 | 5.2 | 3.8 | 3.4 | 2.6 | 2.3 | 2.1 | 1.7 | 3.6 | 4.1 | 5.1 | 6.4 |
| TOTAL OBS | 6 | 62 | 72 | 68 | 68 | 68 | 70 | 69 | 67 | 68 | 68 | 72 | 825 |
| MEAN | 4.7 | 5.1 | 5.7 | 6.5 | 6.4 | 6.8 | 6.4 | 6.3 | 6.1 | 5.5 | 5.0 | 5.0 | 6.3 |
| S.D. | 5.2 | 4.6 | 5.2 | 3.8 | 3.4 | 3.1 | 2.5 | 2.4 | 2.1 | 4.6 | 4.1 | 5.2 | 6.7 |
| TOTAL OBS | 6 | 6 | 68 | 67 | 67 | 64 | 59 | 61 | 65 | 65 | 66 | 7 | 902 |
| MEAN | 4.6 | 4.8 | 5.6 | 5.5 | 6.2 | 6.1 | 6.1 | 6.1 | 5.9 | 5.6 | 5.2 | 4.8 | 5.5 |
| S.D. | 5.5 | 4.7 | 5.5 | 4.0 | 3.6 | 3.3 | 2.5 | 2.5 | 2.3 | 4.4 | 4.1 | 5.2 | 6.0 |
| TOTAL OBS | 65 | 67 | 66 | 6 | 67 | 63 | 65 | 64 | 66 | 65 | 69 | 7 | 792 |
| ALL HOURS | 4.4 | 4.6 | 5.4 | 5.9 | 6.2 | 6.2 | 6.2 | 6.1 | 6.0 | 5.7 | 5.3 | 4.9 | 5.6 |
| S.D. | 5.1 | 5.5 | 6.2 | 4.8 | 4.5 | 4.3 | 4.0 | 3.7 | 3.7 | 5.5 | 5.5 | 6.1 | 7.5 |
| TOTAL OBS | 51 | 48 | 58 | 53 | 54 | 52 | 54 | 53 | 52 | 52 | 53 | 55 | 635 |

MEANS AND STANDARD DEVIATIONS

DE.-POINT TEMPERATURES OBS F FROM HOURLY OBSERVATIONS

STATION 1440 58 37 ANASTA
STATION NAME

77-84

YEARS

| HRS LST | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|------|------|-------|------|-------|------|------|------|------|-------|------|------|--------|
| MEAN | 34.0 | 34.0 | 34.5 | 41.2 | 42.1 | 34.0 | 34.3 | 34.3 | 34.6 | 34.0 | 30.1 | 37.0 | 36.7 |
| S D | 7.44 | 6.66 | 7.93 | 9.56 | 9.79 | 6.25 | 7.30 | 6.67 | 6.54 | 10.45 | 8.13 | 7.91 | 6.81 |
| TOTAL OBS | 628 | 628 | 642 | 648 | 636 | 622 | 656 | 629 | 647 | 613 | 651 | 641 | 7620 |
| MEAN | 34.3 | 34.3 | 34.5 | 41.0 | 42.0 | 35.0 | 34.6 | 35.0 | 35.3 | 35.5 | 30.0 | 37.0 | 37.2 |
| S D | 7.44 | 6.66 | 7.93 | 9.56 | 9.79 | 6.25 | 7.30 | 6.67 | 6.54 | 10.45 | 8.13 | 7.91 | 6.81 |
| TOTAL OBS | 571 | 574 | 643 | 648 | 658 | 634 | 671 | 673 | 624 | 612 | 636 | 636 | 7015 |
| MEAN | 34.4 | 34.1 | 34.0 | 42.3 | 43.5 | 36.1 | 35.2 | 34.9 | 35.7 | 35.8 | 39.1 | 37.2 | 37.4 |
| S D | 7.79 | 6.63 | 7.97 | 9.01 | 9.60 | 8.63 | 7.33 | 6.71 | 6.82 | 11.44 | 8.73 | 8.27 | 9.47 |
| TOTAL OBS | 628 | 571 | 635 | 632 | 66 | 638 | 662 | 643 | 624 | 674 | 658 | 652 | 7620 |
| MEAN | 35.0 | 34.8 | 34.8 | 41.4 | 43.0 | 35.3 | 35.4 | 35.4 | 36.0 | 37.6 | 4.3 | 34.5 | 37.0 |
| S D | 6.15 | 6.38 | 7.11 | 9.73 | 9.65 | 8.86 | 7.86 | 6.40 | 6.21 | 10.39 | 9.19 | 8.26 | 9.73 |
| TOTAL OBS | 6 | 628 | 698 | 654 | 755 | 684 | 728 | 697 | 667 | 691 | 622 | 706 | 825 |
| MEAN | 35.0 | 34.8 | 34.2 | 40.7 | 42.0 | 34.1 | 33.7 | 34.3 | 34.2 | 35.8 | 4.0 | 34.3 | 36.9 |
| S D | 7.99 | 6.75 | 10.17 | 9.46 | 9.90 | 9.15 | 8.33 | 7.22 | 6.83 | 10.07 | 8.89 | 8.56 | 9.23 |
| TOTAL OBS | 61 | 641 | 745 | 697 | 717 | 633 | 727 | 691 | 671 | 686 | 691 | 713 | 8305 |
| MEAN | 35.4 | 34.6 | 34.0 | 39.6 | 40.0 | 33.0 | 32.5 | 33.3 | 32.1 | 33.0 | 38.6 | 37.0 | 35.4 |
| S D | 7.84 | 6.71 | 10.32 | 9.44 | 10.26 | 9.23 | 7.91 | 7.01 | 6.71 | 10.69 | 8.76 | 8.51 | 9.29 |
| TOTAL OBS | 662 | 625 | 708 | 668 | 692 | 687 | 700 | 655 | 677 | 684 | 689 | 712 | 8285 |
| MEAN | 35.1 | 34.5 | 37.6 | 4.3 | 43.5 | 33.2 | 33.2 | 34.1 | 33.1 | 34.3 | 30.3 | 37.4 | 36.0 |
| S D | 7.87 | 6.16 | 9.92 | 9.40 | 10.06 | 9.42 | 7.69 | 6.25 | 6.66 | 10.36 | 8.12 | 8.36 | 8.95 |
| TOTAL OBS | 663 | 663 | 622 | 671 | 677 | 647 | 698 | 681 | 653 | 658 | 666 | 707 | 8602 |
| MEAN | 35.5 | 34.5 | 36.7 | 41.0 | 41.3 | 34.3 | 34.0 | 34.8 | 34.3 | 34.7 | 30.4 | 37.4 | 36.6 |
| S D | 7.70 | 6.70 | 10.02 | 9.23 | 10.10 | 6.66 | 6.81 | 6.10 | 5.79 | 10.35 | 7.94 | 8.12 | 8.78 |
| TOTAL OBS | 665 | 671 | 663 | 658 | 67 | 634 | 657 | 647 | 660 | 655 | 694 | 706 | 7425 |
| ALL HOURS | 34.4 | 34.5 | 36.7 | 41.0 | 42.1 | 34.6 | 34.1 | 34.5 | 34.5 | 35.3 | 30.0 | 37.7 | 36.5 |
| S D | 7.81 | 6.51 | 9.98 | 9.56 | 9.94 | 9.94 | 7.32 | 6.33 | 5.97 | 10.76 | 8.56 | 8.27 | 9.45 |
| TOTAL OBS | 611 | 624 | 538 | 513 | 541 | 522 | 545 | 535 | 532 | 522 | 547 | 551 | 6355 |

CENTRAL CLIMATOLOGY BRANCH
 AFMTC
 AIR FORCE SERVICE/MAC

RELATIVE HUMIDITY

STATION: RIYADH SAUDI ARABIA PERIOD: 77-84 MONTH: JAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|----------------|--|-------|------|------|------|------|------|-----|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 0-07 | 100.0 | 100.0 | 97.4 | 80.6 | 44.2 | 19.2 | 10.9 | 4.6 | 1.0 | 51.1 | 625 |
| | 08-15 | 100.0 | 100.0 | 98.3 | 91.2 | 62.6 | 29.4 | 14.7 | 4.3 | 1.2 | 55.6 | 576 |
| | 16-23 | 100.0 | 100.0 | 99.3 | 93.4 | 69.3 | 36.5 | 21.6 | 9.2 | 2.1 | 58.8 | 676 |
| | 0-11 | 100.0 | 99.1 | 89.1 | 57.5 | 29.6 | 15.8 | 8.0 | 2.3 | .3 | 45.6 | 690 |
| | 12-14 | 100.0 | 93.8 | 54.8 | 22.4 | 9.1 | 4.5 | 1.6 | .6 | | 34.2 | 691 |
| | 15-17 | 99.8 | 90.3 | 43.7 | 14.3 | 6.6 | 3.0 | .0 | .6 | | 31.3 | 663 |
| | 18-20 | 100.0 | 97.7 | 70.9 | 28.5 | 12.5 | 5.4 | 3.3 | 1.4 | .2 | 37.6 | 663 |
| | 21-23 | 100.0 | 99.5 | 92.5 | 61.1 | 25.9 | 10.2 | 5.2 | 2.9 | .3 | 45.4 | 665 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 97.6 | 80.8 | 56.1 | 32.5 | 15.5 | 8.4 | 3.2 | .6 | 45.0 | 5181 |

RELATIVE HUMIDITY

226
MONTH

| MONTH | HOURS
(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|----------------|--|------|------|------|------|------|------|-----|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| FEB | 0-02 | 100.0 | 98.6 | 84.1 | 56.2 | 29.3 | 14.3 | 9.0 | 3.4 | 2.1 | 45.0 | 58 |
| | 03-05 | 100.0 | 99.5 | 90.6 | 69.9 | 42.5 | 22.3 | 13.1 | 4.9 | 1.2 | 50.1 | 574 |
| | 06-08 | 100.0 | 99.6 | 91.4 | 71.6 | 48.0 | 29.2 | 15.2 | 7.4 | 1.8 | 52.0 | 571 |
| | 09-11 | 100.0 | 93.0 | 68.4 | 38.0 | 19.0 | 9.9 | 5.4 | 2.6 | .5 | 39.1 | 626 |
| | 12-14 | 99.2 | 76.1 | 33.7 | 14.4 | 6.7 | 3.3 | 2.2 | 1.2 | | 29.3 | 641 |
| | 15-17 | 98.7 | 68.5 | 26.2 | 10.6 | 4.8 | 2.9 | 2.1 | 1.3 | .6 | 27.1 | 625 |
| | 18-20 | 99.7 | 84.2 | 42.8 | 19.3 | 9.3 | 3.3 | 2.2 | 1.5 | .3 | 31.9 | 610 |
| | 21-23 | 92.8 | 97.0 | 69.2 | 34.3 | 19.1 | 9.4 | 3.8 | 2.1 | .0 | 39.2 | 607 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 9.7 | 89.6 | 63.3 | 39.4 | 22.3 | 11.8 | 6.6 | 3.1 | .9 | 39.2 | 4624 |

0-87.5 (OL A)

LOCAL CLIMATOLOGY BRANCH
 WFO
 WEATHER SERVICE ZMAC

RELATIVE HUMIDITY

STATION RIYADH SAUDI ARABIA 77-84 PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO OF
OBS |
|--------|----------------|--|------|------|------|------|------|------|-----|-----|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MA | 00-01 | 100.0 | 94.2 | 67.3 | 37.7 | 23.5 | 14.5 | 10.7 | 5.1 | 1.6 | 41.3 | 642 |
| | 02-05 | 100.0 | 98.6 | 82.3 | 52.6 | 31.9 | 16.7 | 11.8 | 6.2 | 2.1 | 45.7 | 643 |
| | 06-08 | 100.0 | 96.7 | 83.5 | 57.5 | 36.1 | 22.4 | 12.4 | 6.0 | 2.0 | 47.2 | 635 |
| | 09-11 | 99.6 | 85.2 | 53.2 | 29.4 | 16.3 | 9.6 | 5.2 | 2.3 | .6 | 35.0 | 698 |
| | 12-14 | 85.9 | 63.1 | 27.7 | 14.2 | 8.2 | 4.6 | 1.8 | .7 | .1 | 27.3 | 705 |
| | 15-17 | 93.1 | 51.7 | 22.0 | 11.0 | 4.7 | 2.5 | 1.0 | | | 24.2 | 718 |
| | 18-20 | 87.4 | 67.8 | 30.2 | 16.1 | 8.4 | 4.5 | 1.7 | .7 | | 28.1 | 689 |
| | 21-23 | 89.5 | 86.4 | 53.4 | 28.5 | 15.1 | 10.0 | 6.3 | 2.6 | .8 | 35.7 | 663 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 84.2 | 80.7 | 52.5 | 30.4 | 18.0 | 10.9 | 6.4 | 3.0 | .9 | 35.7 | 5383 |

AD A159 667

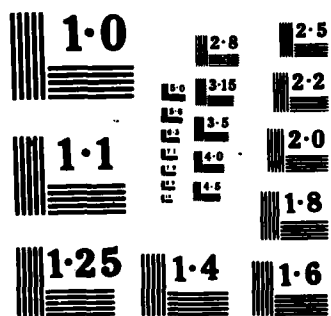
RIYADH SAUDI ARABIA LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARY (LISOCs) (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. JUN 85
USAFETAC/DS-85/024

UNCLASSIFIED

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CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

4 24 80
STATION

RIYADH SAUDI ARABIA
STATION NAME

77-84

PERIOD

NOV
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|----------------|--|------|------|------|------|------|-----|-----|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| NOV | 00-02 | 100.0 | 96.9 | 72.8 | 42.4 | 20.9 | 10.6 | 4.6 | 1.4 | .5 | 40.7 | 651 |
| | 03-05 | 100.0 | 99.7 | 83.5 | 59.4 | 33.6 | 17.8 | 8.5 | 2.8 | .5 | 46.0 | 636 |
| | 06-08 | 100.0 | 99.7 | 85.1 | 62.6 | 38.0 | 21.4 | 9.7 | 2.6 | .3 | 47.5 | 658 |
| | 09-11 | 100.0 | 85.0 | 56.2 | 32.5 | 17.1 | 9.2 | 3.3 | .9 | .1 | 35.2 | 692 |
| | 12-14 | 98.1 | 66.4 | 30.0 | 14.0 | 7.7 | 3.3 | 1.7 | 1.2 | | 27.7 | 691 |
| | 15-17 | 97.7 | 57.3 | 25.0 | 10.7 | 5.1 | 2.5 | 1.3 | 1.0 | .1 | 25.6 | 689 |
| | 18-20 | 99.8 | 77.8 | 40.7 | 17.7 | 7.7 | 4.5 | 2.0 | 1.1 | .2 | 30.5 | 666 |
| | 21-23 | 100.0 | 92.9 | 58.8 | 29.7 | 13.7 | 6.9 | 3.6 | 1.2 | .3 | 36.2 | 694 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.5 | 84.5 | 56.5 | 33.6 | 18.0 | 9.5 | 4.3 | 1.5 | .3 | 36.3 | 5377 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

4 4380 RIYADH SAUDI ARABIA
STATION STATION NAME

77-84

PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|----------------|--|------|------|------|------|------|------|-----|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | ALL | 100.0 | 97.6 | 80.8 | 56.1 | 32.5 | 15.5 | 9.4 | 3.2 | .6 | 45.0 | 5181 |
| FEB | | 99.7 | 89.6 | 63.3 | 39.4 | 22.3 | 11.6 | 6.6 | 3.1 | .9 | 39.2 | 4624 |
| MAR | | 98.2 | 80.7 | 52.5 | 30.9 | 18.0 | 10.9 | 6.4 | 3.0 | .9 | 35.7 | 5393 |
| APR | | 94.4 | 63.6 | 34.1 | 17.1 | 9.3 | 4.7 | 2.6 | 1.1 | .4 | 28.2 | 5333 |
| MAY | | 76.1 | 42.2 | 18.1 | 8.2 | 4.0 | 1.9 | .8 | .2 | .2 | 21.0 | 5410 |
| JUN | | 60.7 | 11.7 | 1.5 | .1 | | | | | | 13.2 | 5222 |
| JUL | | 3.6 | 6.4 | .3 | | | | | | | 11.9 | 5451 |
| AUG | | 62.6 | 5.3 | .6 | .1 | | | | | | 12.6 | 5356 |
| SEP | | 71.3 | 14.8 | 1.5 | .4 | .2 | | | | | 14.5 | 5232 |
| OCT | | 88.2 | 42.6 | 16.2 | 8.7 | 6.2 | 4.7 | 3.3 | 1.3 | .2 | 22.7 | 5272 |
| NOV | | 99.5 | 84.5 | 56.5 | 33.6 | 18.0 | 9.5 | 4.3 | 1.5 | .3 | 36.3 | 5377 |
| DEC | | 99.8 | 95.9 | 80.9 | 58.7 | 34.4 | 18.9 | 10.7 | 4.5 | 1.0 | 46.0 | 5515 |
| TOTALS | | 4.5 | 52.9 | 33.9 | 21.1 | 12.1 | 6.5 | 3.6 | 1.5 | .4 | 27.3 | 63556 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PART :

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

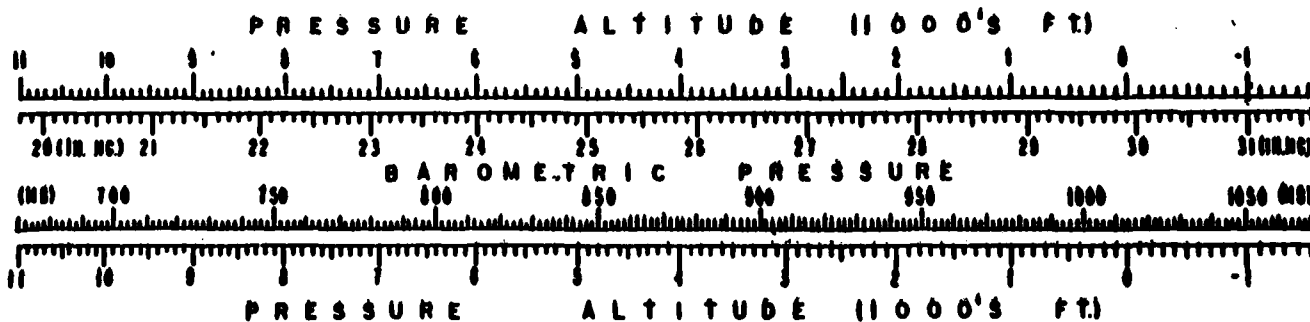
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



JOINT CLIMATE CENTER
 AFMPC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

474780 11120H SA 01 ARABIA
 STATION

77-84

YEARS

| HRS (LST) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 27.461 | 27.911 | 27.849 | 27.737 | 27.722 | 27.621 | 27.539 | 27.578 | 27.710 | 27.855 | 27.926 | 27.962 | 27.791 | |
| S D | .097 | .093 | .114 | .093 | .073 | .063 | .057 | .046 | .061 | .067 | .084 | .079 | .153 | |
| TOTAL OBS | 13 | 180 | 201 | 16 | 192 | 184 | 187 | 182 | 196 | 195 | 219 | 221 | 2341 | |
| MEAN | 27.447 | 27.897 | 27.830 | 27.767 | 27.706 | 27.606 | 27.524 | 27.567 | 27.696 | 27.84 | 27.916 | 27.954 | 27.770 | |
| S D | .091 | .095 | .112 | .089 | .065 | .067 | .055 | .048 | .060 | .068 | .084 | .075 | .165 | |
| TOTAL OBS | 201 | 185 | 202 | 210 | 208 | 198 | 213 | 212 | 204 | 211 | 214 | 214 | 2467 | |
| MEAN | 27.917 | 27.912 | 27.848 | 27.790 | 27.728 | 27.630 | 27.547 | 27.589 | 27.721 | 27.867 | 27.935 | 27.966 | 27.786 | |
| S D | .092 | .095 | .111 | .088 | .067 | .067 | .054 | .047 | .061 | .067 | .082 | .073 | .160 | |
| TOTAL OBS | 161 | 178 | 201 | 208 | 209 | 194 | 209 | 203 | 198 | 213 | 204 | 184 | 2362 | |
| MEAN | 27.005 | 27.592 | 27.898 | 27.828 | 27.761 | 27.656 | 27.572 | 27.618 | 27.753 | 27.906 | 27.980 | 28.013 | 27.826 | |
| S D | .090 | .097 | .115 | .085 | .067 | .066 | .055 | .052 | .062 | .067 | .082 | .074 | .169 | |
| TOTAL OBS | 210 | 197 | 220 | 225 | 223 | 216 | 234 | 228 | 221 | 227 | 225 | 218 | 2651 | |
| MEAN | 27.473 | 27.928 | 27.863 | 27.757 | 27.738 | 27.633 | 27.553 | 27.593 | 27.723 | 27.866 | 27.94 | 27.972 | 27.798 | |
| S D | .091 | .094 | .116 | .088 | .067 | .064 | .054 | .053 | .060 | .065 | .085 | .076 | .163 | |
| TOTAL OBS | 22 | 214 | 229 | 225 | 233 | 219 | 232 | 224 | 21 | 225 | 225 | 234 | 2710 | |
| MEAN | 27.400 | 27.861 | 27.798 | 27.738 | 27.688 | 27.585 | 27.517 | 27.547 | 27.671 | 27.812 | 27.887 | 27.915 | 27.740 | |
| S D | .094 | .099 | .115 | .087 | .065 | .066 | .057 | .054 | .057 | .068 | .081 | .077 | .158 | |
| TOTAL OBS | 21 | 191 | 230 | 228 | 223 | 224 | 229 | 22 | 220 | 210 | 213 | 224 | 2638 | |
| MEAN | 27.425 | 27.868 | 27.801 | 27.736 | 27.672 | 27.572 | 27.493 | 27.538 | 27.671 | 27.812 | 27.896 | 27.934 | 27.741 | |
| S D | .094 | .101 | .117 | .088 | .066 | .065 | .057 | .050 | .062 | .069 | .085 | .076 | .169 | |
| TOTAL OBS | 21 | 196 | 230 | 228 | 227 | 217 | 234 | 231 | 211 | 221 | 215 | 231 | 2666 | |
| MEAN | 27.262 | 27.915 | 27.843 | 27.776 | 27.714 | 27.610 | 27.533 | 27.577 | 27.711 | 27.859 | 27.929 | 27.970 | 27.784 | |
| S D | .098 | .090 | .115 | .088 | .069 | .061 | .055 | .051 | .064 | .069 | .087 | .076 | .168 | |
| TOTAL OBS | 21 | 187 | 202 | 214 | 213 | 199 | 214 | 207 | 201 | 207 | 222 | 231 | 2512 | |
| ALL HOURS | MEAN | 27.955 | 27.917 | 27.841 | 27.778 | 27.715 | 27.614 | 27.533 | 27.576 | 27.707 | 27.854 | 27.926 | 27.960 | 27.779 |
| S D | .090 | .100 | .118 | .093 | .072 | .070 | .060 | .056 | .066 | .073 | .088 | .081 | .167 | |
| TOTAL OBS | 165 | 1528 | 1715 | 1738 | 1728 | 1651 | 1782 | 1709 | 1672 | 1698 | 1727 | 1777 | 20341 | |

CLIMATE CLIMATOLOGY BRANCH
 ETAC
 WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

STATION
 STATION NAME

77-84

YEARS

| HRS (LST) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 1011.0 | 1011.1 | 1014.7 | 1011.6 | 1007.9 | 1003.5 | 1000.2 | 1001.8 | 1007.1 | 1013.9 | 1017.8 | 1020.5 | 1011.4 | |
| S.D. | 3.524 | 4.33 | 4.978 | 4.75 | 2.89 | 2.421 | 2.191 | 1.92 | 2.551 | 3.073 | 3.539 | 3.377 | 7.868 | |
| TOTAL OBS | 15 | 166 | 189 | 169 | 177 | 194 | 233 | 196 | 198 | 185 | 135 | 101 | 2241 | |
| MEAN | 1020.2 | 1017.8 | 1014.2 | 1010.6 | 1007.4 | 1002.6 | 999.5 | 1001.2 | 1006.8 | 1013.4 | 1017.6 | 1020.5 | 1010.5 | |
| S.D. | 3.917 | 3.964 | 4.032 | 3.835 | 2.786 | 2.473 | 2.167 | 1.956 | 2.586 | 2.886 | 3.487 | 3.413 | 7.796 | |
| TOTAL OBS | 22 | 211 | 232 | 231 | 236 | 226 | 238 | 245 | 231 | 24 | 229 | 233 | 2778 | |
| MEAN | 1021.1 | 1018.6 | 1015.2 | 1011.9 | 1008.7 | 1004.1 | 1000.9 | 1002.7 | 1008.0 | 1014.8 | 1018.8 | 1021.1 | 1012.5 | |
| S.D. | 3.558 | 4.09 | 4.080 | 3.984 | 2.702 | 2.421 | 2.200 | 2.009 | 2.327 | 2.861 | 3.364 | 3.311 | 7.626 | |
| TOTAL OBS | 17 | 139 | 194 | 172 | 216 | 233 | 211 | 213 | 223 | 210 | 216 | 208 | 2433 | |
| MEAN | 1022.1 | 1020.3 | 1016.9 | 1013.0 | 1009.6 | 1004.8 | 1001.5 | 1003.4 | 1006.9 | 1015.9 | 1020.1 | 1022.7 | 1013.2 | |
| S.D. | 3.918 | 4.62 | 4.872 | 3.673 | 2.860 | 2.487 | 2.169 | 2.160 | 2.674 | 2.855 | 3.481 | 3.371 | 6.571 | |
| TOTAL OBS | 221 | 24 | 226 | 235 | 234 | 233 | 237 | 237 | 29 | 242 | 230 | 242 | 2773 | |
| MEAN | 1021.0 | 1018.7 | 1015.2 | 1011.9 | 1008.5 | 1003.9 | 1000.7 | 1002.4 | 1007.5 | 1014.3 | 1018.3 | 1020.5 | 1012.5 | |
| S.D. | 4.768 | 4.108 | 4.850 | 3.835 | 2.764 | 2.456 | 2.095 | 2.100 | 2.414 | 2.832 | 3.586 | 3.283 | 7.684 | |
| TOTAL OBS | 214 | 17 | 212 | 26 | 222 | 206 | 207 | 215 | 211 | 223 | 222 | 233 | 2568 | |
| MEAN | 1018.6 | 1016.3 | 1013.0 | 1009.6 | 1006.0 | 1002.3 | 999.3 | 1000.7 | 1005.0 | 1012.4 | 1016.2 | 1018.7 | 1010.2 | |
| S.D. | 4.1 | 4.149 | 3.901 | 3.769 | 2.772 | 2.459 | 2.202 | 2.253 | 2.335 | 2.872 | 3.676 | 3.394 | 7.391 | |
| TOTAL OBS | 21 | 223 | 236 | 234 | 233 | 207 | 203 | 221 | 224 | 237 | 230 | 242 | 2720 | |
| MEAN | 1019.7 | 1016.9 | 1013.5 | 1010.0 | 1006.5 | 1002.1 | 999.2 | 1000.6 | 1006.3 | 1013.2 | 1017.3 | 1020.0 | 1010.5 | |
| S.D. | 4.117 | 4.199 | 4.492 | 3.730 | 2.751 | 2.296 | 2.174 | 2.079 | 2.65 | 2.974 | 3.610 | 3.318 | 7.825 | |
| TOTAL OBS | 22 | 154 | 215 | 213 | 207 | 201 | 194 | 215 | 216 | 225 | 216 | 223 | 2487 | |
| MEAN | 1021.1 | 1018.4 | 1014.9 | 1011.0 | 1007.4 | 1003.0 | 1000.0 | 1001.8 | 1007.4 | 1014.3 | 1018.5 | 1021.1 | 1011.6 | |
| S.D. | 4.054 | 4.032 | 4.461 | 3.706 | 2.928 | 2.400 | 2.307 | 2.140 | 2.674 | 2.995 | 3.681 | 3.42 | 6.500 | |
| TOTAL OBS | 212 | 25 | 238 | 229 | 274 | 226 | 226 | 238 | 226 | 233 | 233 | 241 | 2767 | |
| ALL HOURS | MEAN | 1020.1 | 1018.2 | 1014.7 | 1011.2 | 1007.8 | 1003.3 | 1000.2 | 1001.8 | 1007.2 | 1014.0 | 1018.1 | 1020.5 | 1011.5 |
| S.D. | 4.15 | 4.228 | 5.020 | 3.939 | 2.972 | 2.572 | 2.319 | 2.275 | 2.676 | 3.172 | 3.709 | 3.521 | 7.830 | |
| TOTAL OBS | 1672 | 1531 | 1732 | 1659 | 1763 | 1696 | 1715 | 1780 | 1742 | 1795 | 1771 | 1821 | 20767 | |

END

DATE
FILMED

11-85

DTIC